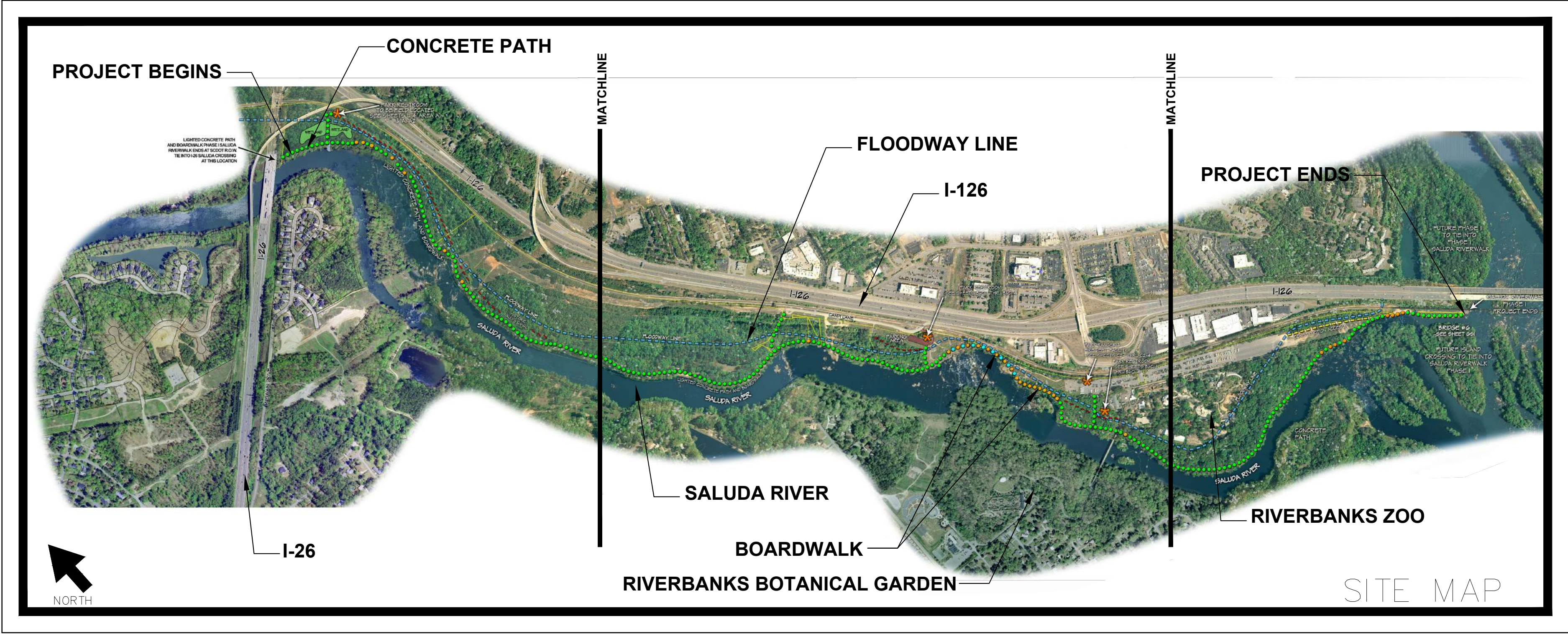


SALUDA RIVERWALK PHASE I (SITE WORK) COLUMBIA, SC

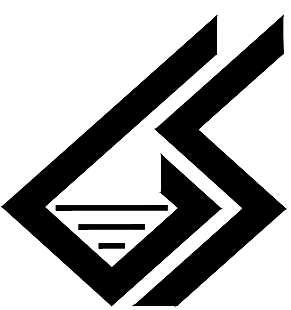
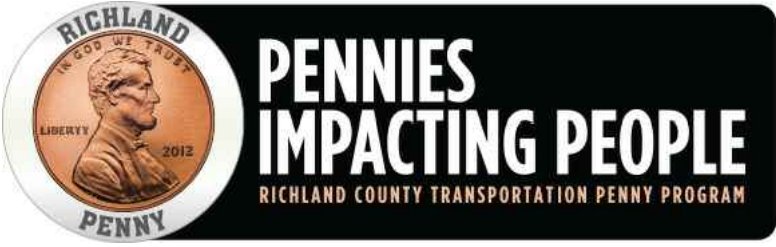
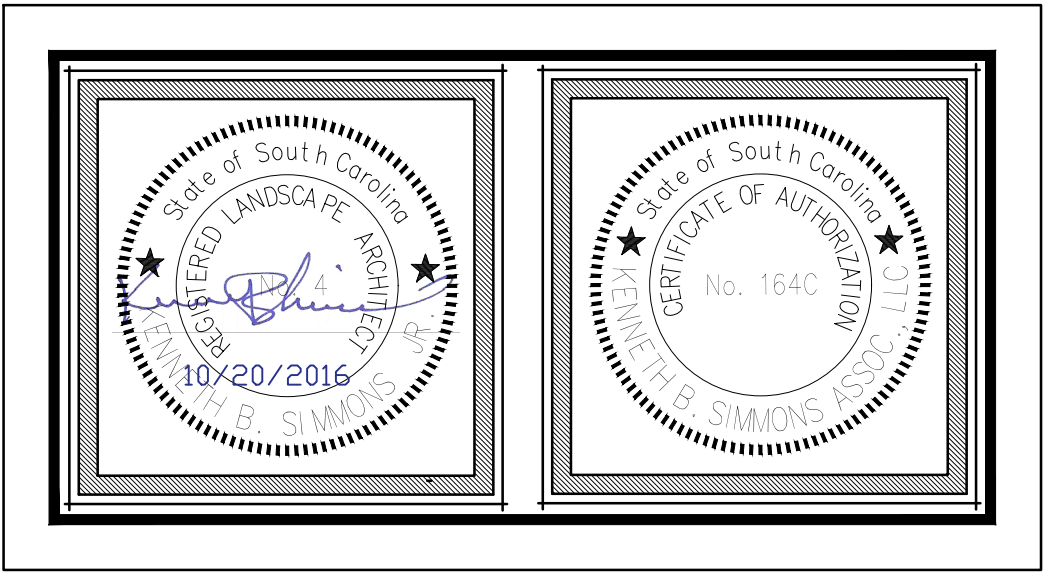
A Component of The Three Rivers Greenway

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DATE:	9/10/15
PROJECT #	1692A4
DRAWN BY:	AMC
CHECKED BY:	KBS
REVISIONS:	



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ARCHITECTURAL DESIGN ASSOCIATES, PA

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Sheet
C-1

General Notes:

1.

THIS PROJECT IS SITUATED ON AN ENVIRONMENTALLY SENSITIVE SITE. DESTRUCTION OF VEGETATION OTHER THAN THAT OUTLINED IN THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE PERMITTED AND SHALL BE GROUNDS FOR IMMEDIATE CANCELLATION OF THE CONTRACT.
2.

THESE DRAWINGS ARE BASED ON AERIAL PHOTOGRAPHS BY RICHLAND COUNTY INTERNET GIS MAPPING SERVICES.
3.

THIS AREA IS SUBJECT TO FLOODING. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT HIS WORK DURING CONSTRUCTION AND UNTIL ACCEPTANCE BY THE OWNER.
4.

THE CONTRACTOR SHALL PROVIDE HIS / HER OWN LINE AND GRADE.
5.

THE CONTRACTOR IS RESPONSIBLE FOR FIELD STAKING ALL CONSTRUCTION ELEMENTS AND REVIEWING THIS LAYOUT WITH THE OWNER PRIOR TO BEGINNING ANY WORK OF ANY KIND.
6.

THE CONTRACTOR IS ADVISED THAT THE LOCATION OF THE WORK SHOWN ON THE DRAWINGS IS SUBJECT TO FIELD ADJUSTMENT TO AVOID EXISTING UTILITIES AND EXISTING VEGETATION. SLIGHT ADJUSTMENTS TO THE LAYOUT PLAN WILL BE NECESSARY TO MAXIMIZE THE PRESERVATION OF EXISTING VEGETATION. ALL CHANGES SHALL BE AUTHORIZED BY THE OWNER. THERE WILL BE NO ADDITIONAL COMPENSATION FOR MAKING THESE ADJUSTMENTS UNLESS THE ADJUSTMENTS CHANGE THE SCOPE OF THE WORK.
7.

THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATING SERVICE AT 1-800-922-0983 BEFORE EXCAVATING AS REQUIRED BY THE SUPPLEMENTAL CONDITIONS.
8.

DISPOSAL OF MATERIALS OFF-SITE AND HAULING OF FILL MATERIAL THAT IS REQUIRED FOR CONSTRUCTION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR. IF THE CONTRACTOR FINDS UNSUITABLE MATERIAL ON SITE FOR FILL, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
9.

REMOVE AND DISPOSE ALL NON-NATURAL MATERIAL (TRASH) IN ALL CONSTRUCTION AREAS AND 15’ BEYOND LIMITS OF CONSTRUCTION.
10.

ANY AREAS DISTURBED BY CONSTRUCTION NOT COVERED BY NEW HARD SURFACING (GRAVEL, CONC. ETC.) SHALL BE PLACED IN CENTIPEDE HYDROSEED OR NATURAL MULCH ACCORDING TO ADJACENT TREATMENT AT NO ADDITIONAL COST TO THE OWNER.
11.

LIGHTS SHOWN ON ELECTRICAL PLAN ARE SCHEMATIC. LIGHTS, SITE FURNISHINGS, AND SIGNAGE TO BE LOCATED BY ARCHITECT /OWNER’S REPRESENTATIVE.
12.

BOARDWALKS HIGHER THAN 30” OFF OF GROUND SHALL REQUIRE A HANDRAIL.
13.

IF THE QUANTITIES OF CONSTRUCTION MATERIALS ARE SIGNIFICANTLY DIFFERENT FROM THOSE LISTED IN THE BID FORM, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY, BEFORE PERFORMING ANY ADDITIONAL WORK.
14.

ALL PATHS, BOARDWALKS, AND BRIDGES MUST MEET ALL ADA REQUIREMENTS. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:50.
15.

AT PROJECT COMPLETION CONTRACTOR SHALL PROVIDE AS-BUILTS, COMPLETED BY REGISTERED LAND SURVEYOR CERTIFYING ALL WALKING SURFACES HAVE RUNNING SLOPE LESS THAN 1:20 AND ALL PORTIONS OF CONSTRUCTION MEET ALL OTHER ADA REQUIREMENTS.
15.

PORTIONS OF THE SALUDA RIVERWALK ARE ADJACENT TO RAILROAD R.O.W., THE CONTRACTOR SHALL NOT ENTER R.O.W. FOR ANY REASON. IF THE CONTRACTOR DETERMINES THAT ANY PORTION OF THE SALUDA RIVERWALK IS ON RAILROAD R.O.W. HE/SHE SHOULD STOP WORK IMMEDIATELY AND NOTIFY THE OWNER’S REPRESENTATIVE.
16.

BIDDERS ARE REQUIRED TO FURNISH INSTALLED PRICES FOR THE ITEMS OF WORK SHOWN ON THE UNIT PRICE SCHEDULE. INSTALLED PRICES SHALL INCLUDE ALL LABOR, MATERIALS, GRADING, WIRING, CONDUIT, INSTALLATION, OVERHEAD, PROFIT, INSURANCE, TAXES, FEES, ETC. (I.E. COMPLETE INSTALLED PRICE).

SPECIAL NOTES:

SECTIONS OF THE THREE RIVERS GREENWAY ARE BEING BUILT AMONG HISTORIC PROPERTIES THAT ARE ELIGIBLE FOR OR LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. THESE PROPERTIES ARE ELIGIBLE FOR OR LISTED ON THE NRHP BECAUSE THEY CONTAIN IMPORTANT INFORMATION ABOUT THE DEVELOPMENT OF COLUMBIA IN THE EARLY NINETEENTH CENTURY. THE NATIONAL HISTORIC PRESERVATION ACT OF 1966 REQUIRES THAT THE POTENTIAL EFFECTS TO THESE SITES BE CONSIDERED IN THE PLANNING PROCESS AND THAT ADVERSE EFFECTS BE MINIMIZED OR MITIGATED. THE US ARMY CORPS OF ENGINEERS, MONITORS AND REGULATES THE EFFECTS AS A CONDITION OF PERMITS ISSUED FOR THE THREE RIVERS GREENWAY.

CONSTRUCTION ACTIVITIES, WHICH TAKE PLACE BELOW GRADE, MAY DAMAGE SIGNIFICANT DEPOSITS IF THEY EXIST. IT IS POSSIBLE THAT LAND-DISTURBING ACTIVITIES MAY ENCOUNTER ARCHAEOLOGICAL DEPOSITS OR FEATURES THAT ARE CLOSER TO THE SURFACE THAN EXPECTED. **ARCHAEOLOGICAL MATERIALS CONSIST OF ANY ITEMS, FIFTY YEARS OLD OR OLDER, WHICH WERE MADE OR USED BY MAN. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, STONE PROJECTILE POINTS (ARROWHEADS), CERAMIC SHERDS, BRICKS, WORKED WOOD, BONE AND STONE, METAL AND GLASS OBJECTS, AND HUMAN SKELETAL MATERIALS.** ALL FOREMEN AND OPERATORS NEED TO BE AWARE OF THIS DANGER. IF ARTIFACTS OR ARCHAEOLOGICAL FEATURES ARE ENCOUNTERED DURING GROUND DISTURBING ACTIVITIES:

1. STOP ALL WORK IN THE IMMEDIATE AREA OF THE DISCOVERY.
2. CALL MIKE DAWSON AT THE RIVER ALLIANCE (765-2200) OR KEN SIMMONS AT KENNETH B. SIMMONS ASSOCIATES (254-3791).
3. DAWSON/SIMMONS WILL CALL SC DEPARTMENT OF ARCHIVES AND HISTORY AND/OR US ARMY CORPS OF ENGINEER. THE RIVER ALLIANCE WILL RETAIN A PROFESSIONAL ARCHAEOLOGIST TO INSPECT THE DISCOVERY AND EVALUATE THE SIGNIFICANCE OF THE ARTIFACTS/FEATURES. IN CONCERT WITH SC DEPARTMENT OF ARCHIVES AND HISTORY, A PLAN FOR DEALING WITH THE DISCOVERY WILL BE DEVELOPED (USUALLY WITHIN TWO BUSINESS DAYS OF THE REPORTED FIND). IF THE FIND IS NOT SIGNIFICANT, LAND-DISTURBING ACTIVITIES MAY PROCEED. IF THE FIND IS SIGNIFICANT, ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS WILL BE REQUIRED. ONCE THE ARCHAEOLOGICAL INVESTIGATIONS ARE COMPLETE AND THE RESULTS ACCEPTED BY SCDAH AND USACE, LAND-DISTURBING ACTIVITIES MAY PROCEED IN THE DISCOVERY AREA.

FAILURE TO COMPLY WITH THESE PROCEDURES WILL RESULT IN THE REVOCATION OF PERMITS UNDER WHICH THE PROJECT IS BEING BUILT, CAUSING SERIOUS TIME DELAYS AND COST OVERRUNS.

SEDIMENT AND EROSION CONTROL:

SEE SHEET EC-1 FOR EROSION AND CONTROL NOTES AND SCDHEC REQUIREMENTS.

Clearing, Grubbing & Demolition Notes:

1.

CONTRACTOR SHALL REMOVE ALL CLEARING, GRUBBING AND DEMOLITION MATERIAL FROM SITE.
2.

THE CONTRACT LIMITS ARE THE AREAS COVERED WITH CONSTRUCTION. ALL ADJACENT AREAS SHALL REMAIN IN AN UNDISTURBED CONDITION.

Grading and Drainage Notes:

1.

THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE IN ALL AREAS OF CONSTRUCTION.
2.

THE CONTRACTOR IS TO CONFIRM THAT GRADES AND CROSS SLOPES MEET ALL ADA REQUIREMENTS ON ALL PORTIONS OF CONSTRUCTION.
3.

THE CONTRACTOR IS TO ASSURE ALL BUILDINGS HAVE 6 INCH FALL IN TEN FEET AWAY FROM ALL BUILDINGS.

Layout Notes:

1.

IF IT IS DISCOVERED THAT THERE IS A SIGNIFICANT DIFFERENCE BETWEEN A SCALED DIMENSION AND LAYOUT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/OWNER’S REPRESENTATIVE FOR CLARIFICATION.
2.

THE EXACT LOCATION OF PATHS WILL BE LOCATED BY THE ARCHITECT/OWNER’S REPRESENTATIVE PRIOR TO CONSTRUCTION.

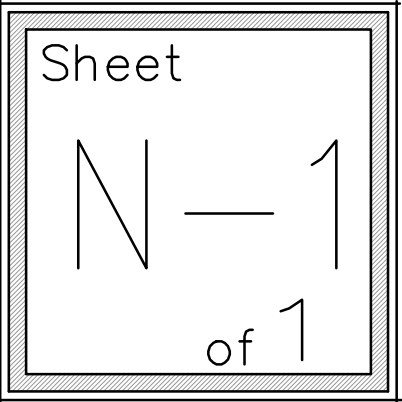
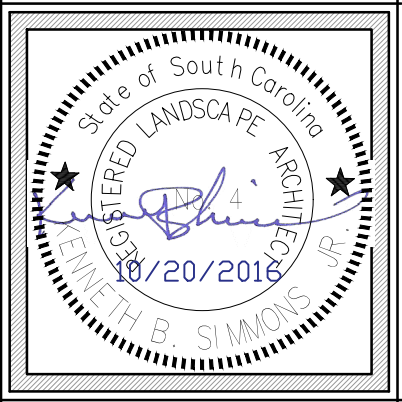
Park Furniture & Interpretive Panel

1.

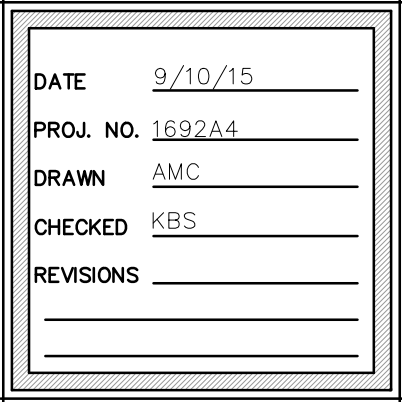
FOR PARK FURNITURE AND INTERPRETIVE PANEL SPECIFICATIONS, PURCHASING AND INSTALLATION REFER TO DETAIL:

4
DT-3

SALUDA RIVERWALK PH I
A COMPONENT OF THE
THREE RIVERS GREENWAY

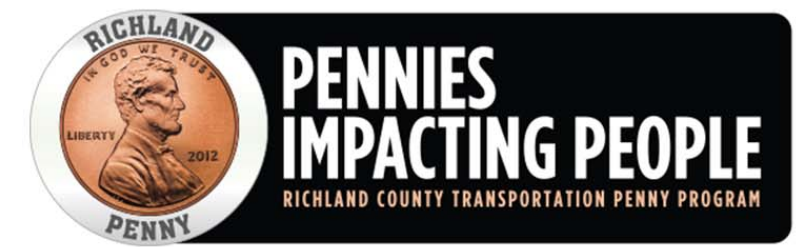


GENERAL NOTES



LEGEND

- LIGHTED CONCRETE PATH AND BOARDWALK
- BOARDWALK WITH OVERLOOK
- BOARDWALK
- FLOODWAY LINE
- CONSTRUCTION ACCESS
- HISTORIC SALUDA CANAL
- PROPERTY LINE
- (NJ) NON JURISDICTIONAL STORM WATER FLOW
- (J) JURISDICTIONAL WATER OF THE US



THE RIVER ALLIANCE

LIGHTED CONCRETE PATH AND BOARDWALK PHASE I SALUDA RIVERWALK ENDS AT SCDOT R.O.W. TIE INTO I-26 SALUDA CROSSING AT THIS LOCATION

PARK RESTROOM TO BE FIELD LOCATED SEE SHEETS L-4 (AREA A) & A1-A2

16 LF BOARDWALK WITHOUT HANDRAIL

8 LF BOARDWALK WITHOUT HANDRAIL (TYP. DETAIL)

CONCRETE PATH DETAIL

24 LF BOARDWALK WITH HANDRAIL (TYP. DETAIL)

FLOODWAY LINE
HISTORIC SALUDA CANAL

SALUDA RIVER

BRIDGE #11
-SEE SHEET G50-G512

MATCHLINE L-2

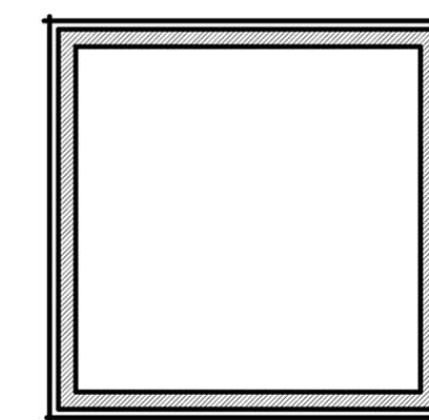
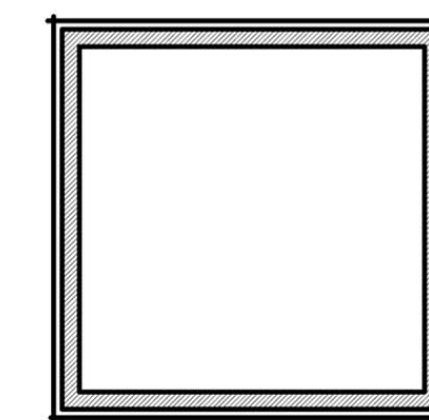
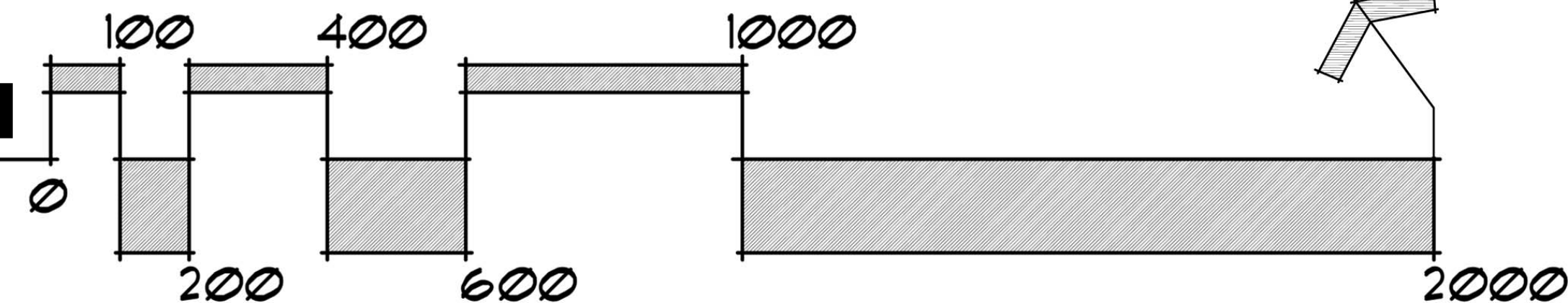
MATCHLINE L-2

LAYOUT PLAN

DATE	9/10/2015
PROJ. NO.	1602 A4
DRAWN	AMC
CHECKED	KBS
REVISIONS	

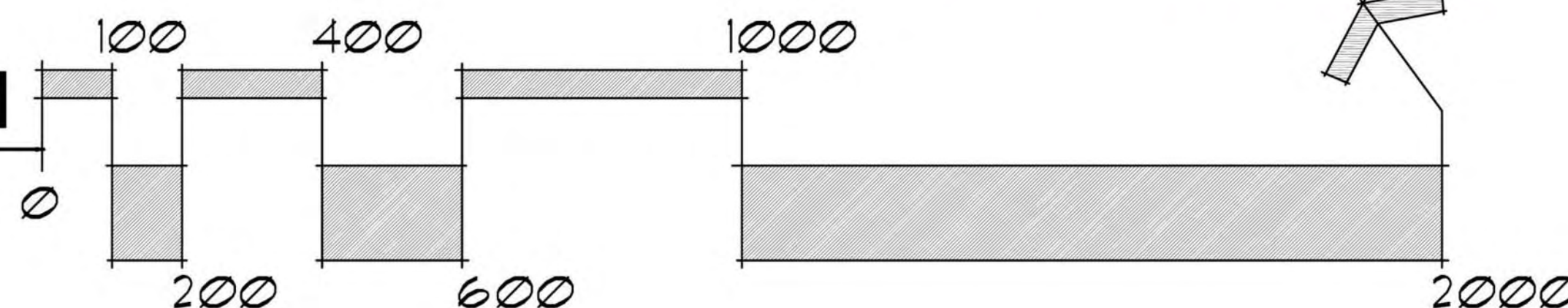
SALUDA RIVERWALK PHASE I

A COMPONENT OF THE
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MATCHLINE L-2

MATCHLINE L-2

RIVERBANKS
ZOO

24' LF BOARDWALK
WITH HANDRAIL

LIGHTED CONCRETE PATH AND BOARD WALK

2
PT-3
CONCRETE
PATH

36 LF BOARDWALK
WITH HANDRAIL
16 LF BOARDWALK
WITHOUT HANDRAIL
8 LF BOARDWALK
WITHOUT HANDRAIL

I-126

CONTRACTOR TO GROUT IN RIP
RAP CLASS B INTO SUBGRADE OF
CONCRETE PATH. (SEE SCDOT
SPECIFICATION 804.2.5) CONTRACTOR TO
INSTALL 8" PATH OVER GROUTED IN
RIP RAP.

CONSTRUCTION ACCESS

4
PT-2
EMERGENCY SIGNAL
FENCE REALIGNMENT

FUTURE PHASE II
TO TIE INTO
PHASE I
SALUDA RIVERWALK

BRIDGE #6
SEE SHEET GSI-GS2

SALUDA RIVERWALK
PHASE I
PROJECT ENDS

FUTURE ISLAND
CROSSING TO TIE INTO
SALUDA RIVERWALK
PHASE I

RIVER FRONT PARK

SALUDA RIVER



THE RIVER ALLIANCE

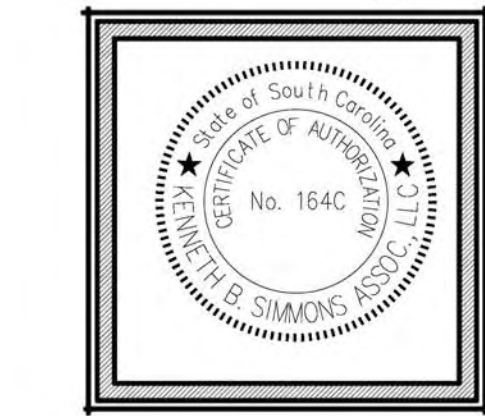
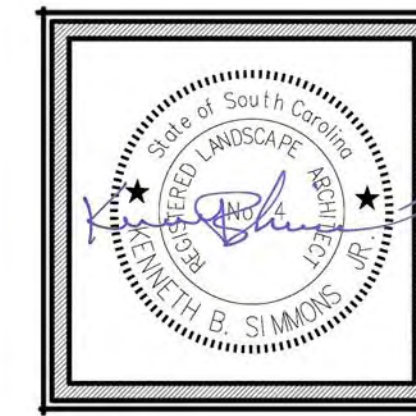
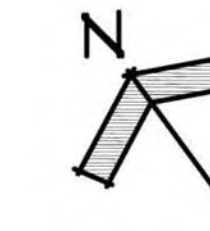
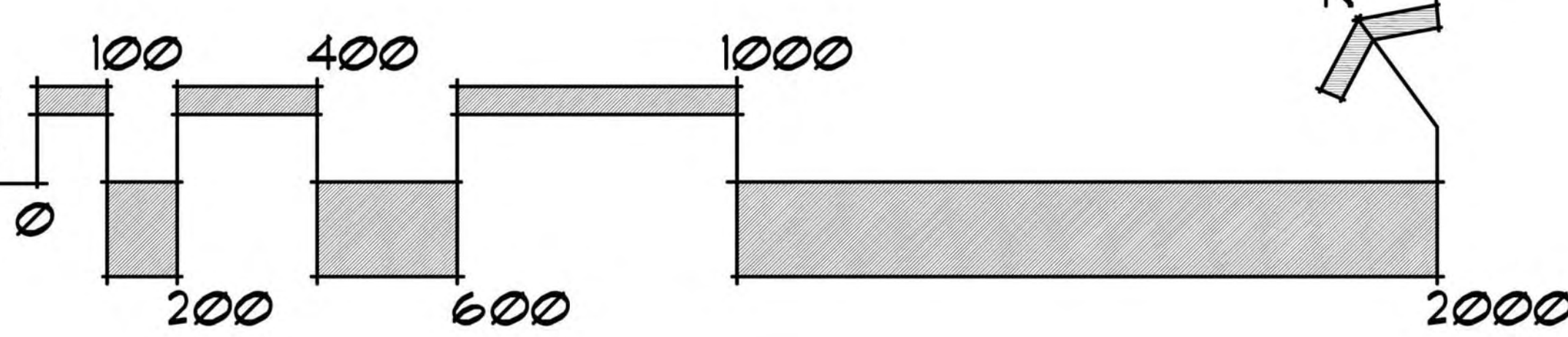


LEGEND

- LIGHTED CONCRETE PATH AND BOARDWALK
- BOARDWALK WITH OVERLOOK
- BOARDWALK
- FLOODWAY LINE
- CONSTRUCTION ACCESS
- HISTORIC SALUDA CANAL
- PROPERTY LINE
- (NJ) NON JURISDICTIONAL STORM WATER FLOW
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SALUDA RIVERWALK PHASE I

A COMPONENT OF THE
THREE RIVERS GREENWAY

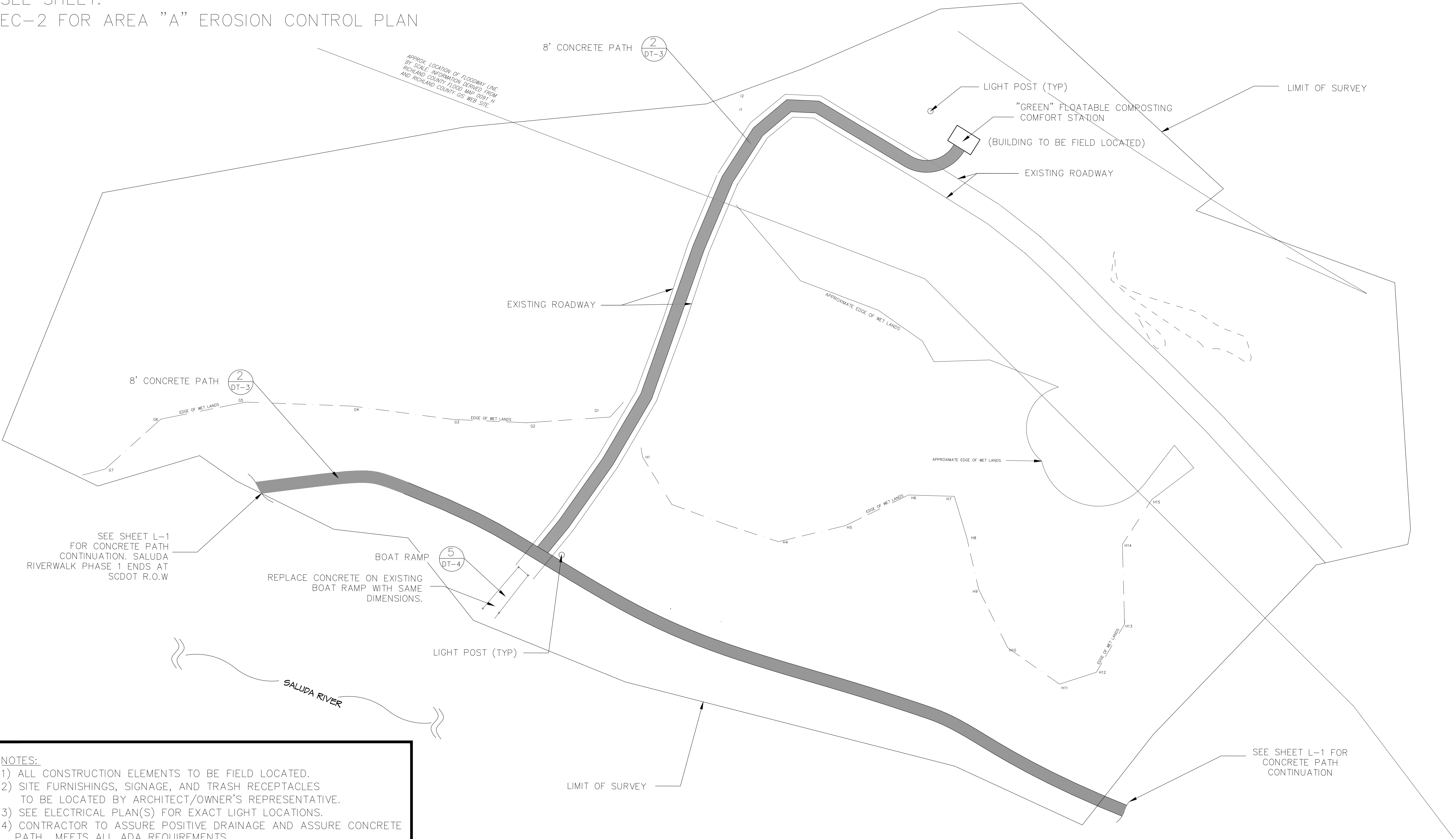


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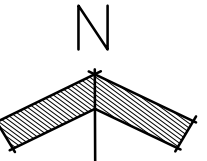
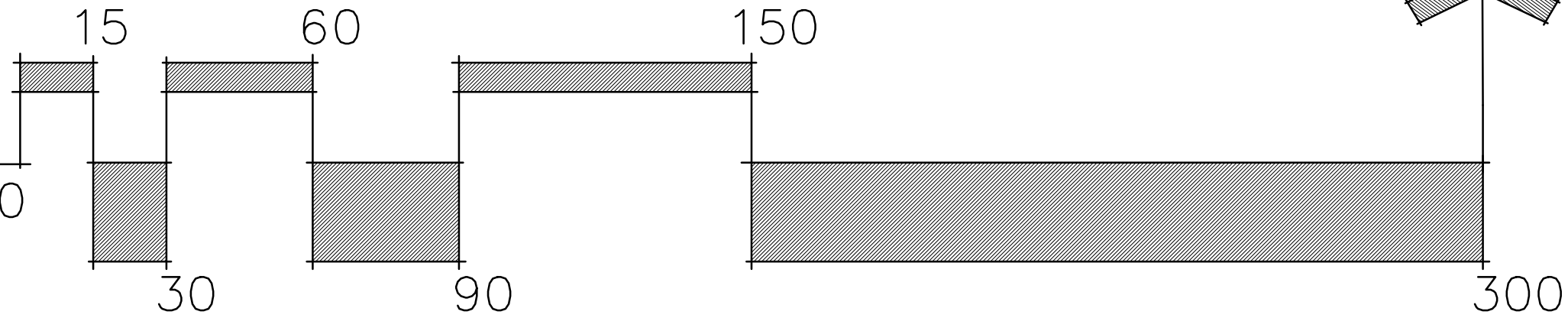
LAYOUT PLAN

SEE SHEET:
EC-2 FOR AREA "A" EROSION CONTROL PLAN

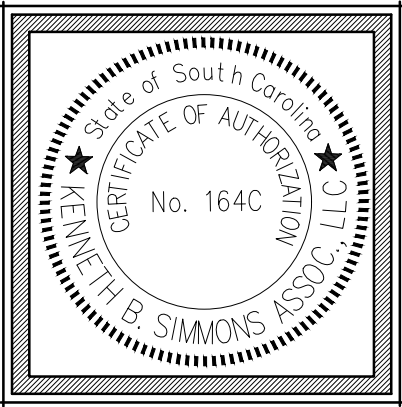
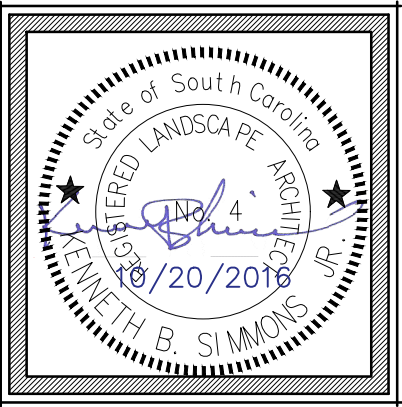


- NOTES:
- 1) ALL CONSTRUCTION ELEMENTS TO BE FIELD LOCATED.
 - 2) SITE FURNISHINGS, SIGNAGE, AND TRASH RECEPTACLES TO BE LOCATED BY ARCHITECT/OWNER'S REPRESENTATIVE.
 - 3) SEE ELECTRICAL PLAN(S) FOR EXACT LIGHT LOCATIONS.
 - 4) CONTRACTOR TO ASSURE POSITIVE DRAINAGE AND ASSURE CONCRETE PATH MEETS ALL ADA REQUIREMENTS.

SALUDA RIVERWALK PH I
A COMPONENT OF THE
THREE RIVERS GREENWAY



DATE	9/10/2015
PROJ. NO.	169244
DRAWN	AMC
CHECKED	KBS
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Sheet
L-4
of 7

LAYOUT PLAN (AREA A)

SEE SHEET:
G-1 FOR AREA "B" GRADING PLAN
EC-3 FOR AREA "B" EROSION CONTROL PLAN

ALL PAVEMENT MARKINGS WITH IN SCDOT RIGHT OF WAY SHALL BE THERMOPLASTIC AND INSTALLED ACCORDING TO CURRENT SCDOT STANDARD DRAWINGS AND SPECIFICATIONS

CONTRACTOR SHALL CLEAR ANY EXISTING VEGETATION NECESSARY TO PROVIDE A CLEAR SIGHT DISTANCE.

UNLESS PROTECTED BY GUARDRAIL, THE ACCESS DRIVE SIDE SLOPE RATIO SHALL NOT EXCEED 4:1.

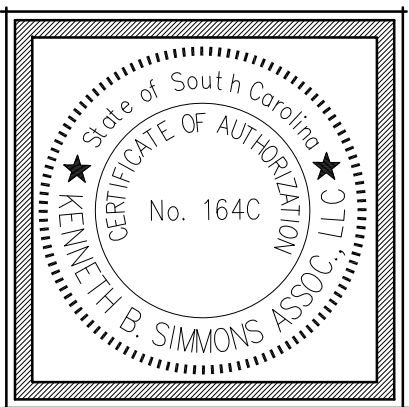
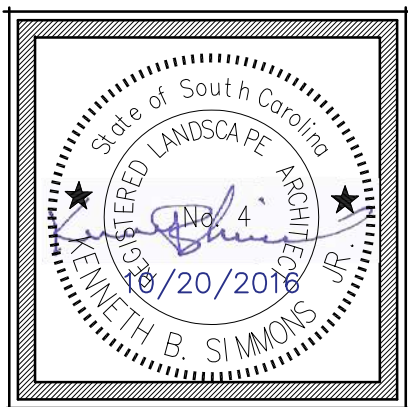
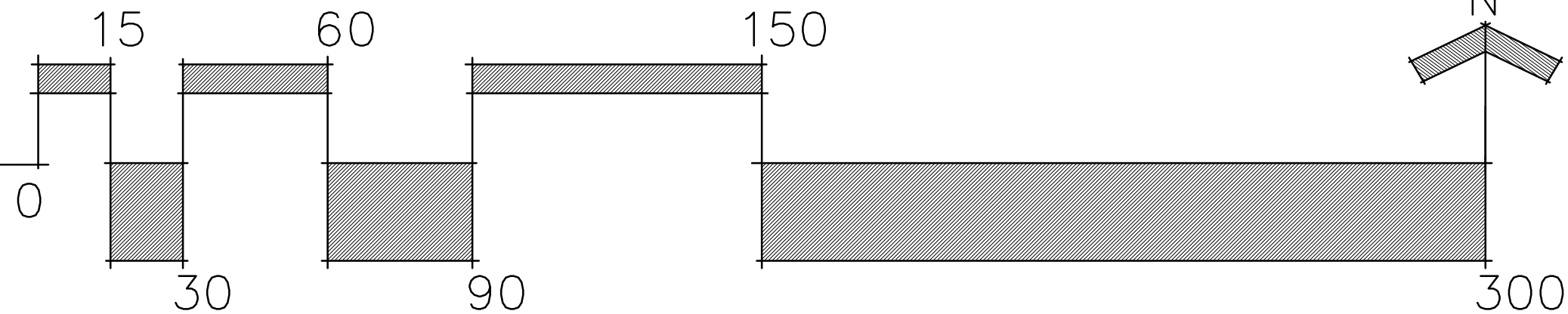
NOTE: FOR ALL ASPHALT PAVEMENT LOCATED IN THE SCDOT RIGHT OF WAY THE FOLLOWING SECTION SHALL BE USED.

- a. 2" TYPE B SURFACE COURSE
- b. 4" TYPE B INTERMEDIATE BINDER COURSE
- c. 6" TYPE A BLACK BASE COURSE
- d. SUBGRADE

CONTRACTOR SHALL PROVIDE, INSTALL, USE, AND MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES AS SPECIFIED BY SCDOT STANDARD DRAWING NUMBER 610-005-00 & 610-005-10, WHILE WORKING IN THE SCDOT R/W.

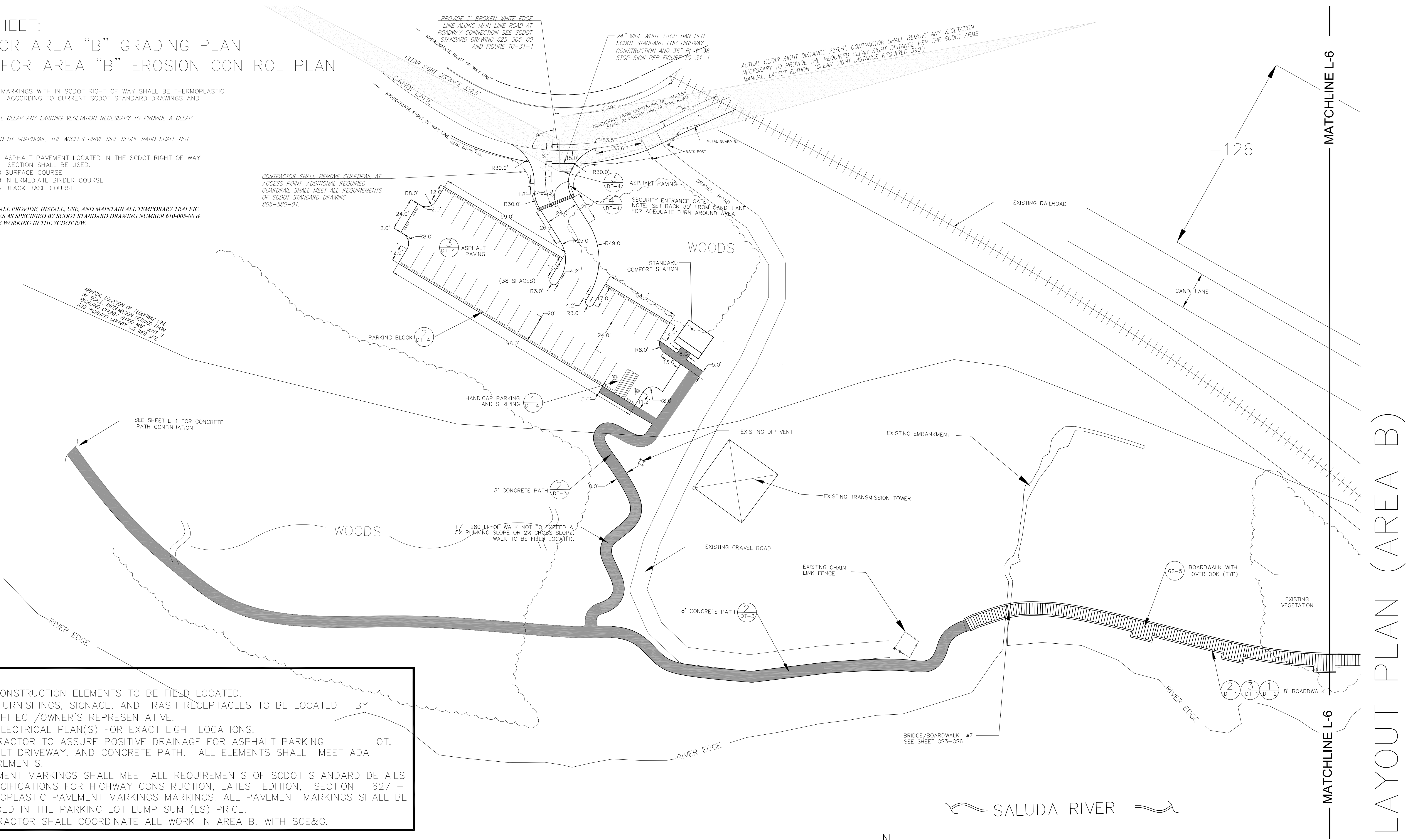
- NOTES:
- 1) ALL CONSTRUCTION ELEMENTS TO BE FIELD LOCATED.
 - 2) SITE FURNISHINGS, SIGNAGE, AND TRASH RECEPTACLES TO BE LOCATED BY ARCHITECT/OWNER'S REPRESENTATIVE.
 - 3) SEE ELECTRICAL PLAN(S) FOR EXACT LIGHT LOCATIONS.
 - 4) CONTRACTOR TO ASSURE POSITIVE DRAINAGE FOR ASPHALT PARKING LOT, ASPHALT DRIVEWAY, AND CONCRETE PATH. ALL ELEMENTS SHALL MEET ADA REQUIREMENTS.
 - 5) PAVEMENT MARKINGS SHALL MEET ALL REQUIREMENTS OF SCDOT STANDARD DETAILS & SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, SECTION 627 - THERMOPLASTIC PAVEMENT MARKINGS MARKINGS. ALL PAVEMENT MARKINGS SHALL BE INCLUDED IN THE PARKING LOT LUMP SUM (LS) PRICE.
 - 6) CONTRACTOR SHALL COORDINATE ALL WORK IN AREA B. WITH SCE&G.

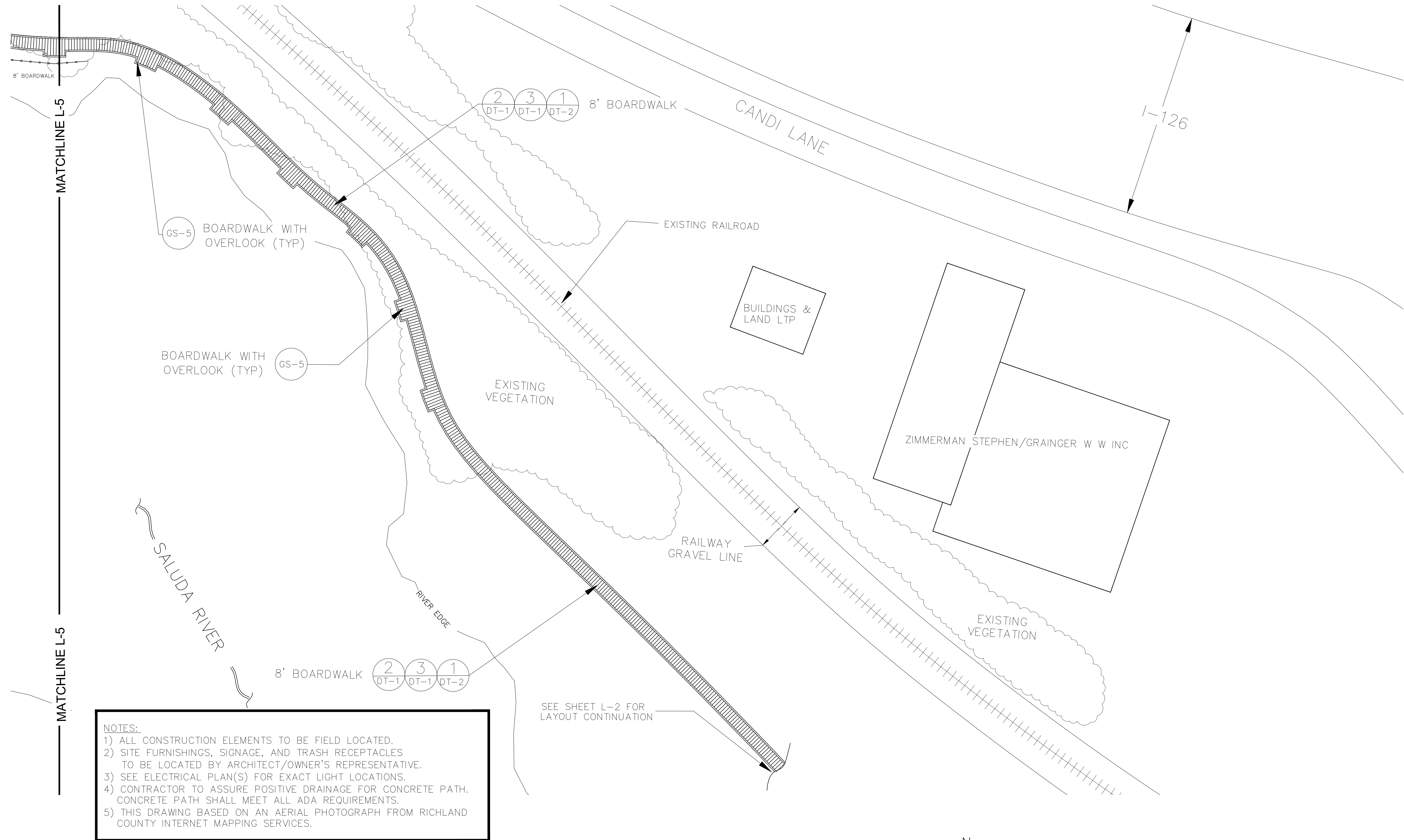
SALUDA RIVERWALK PH I
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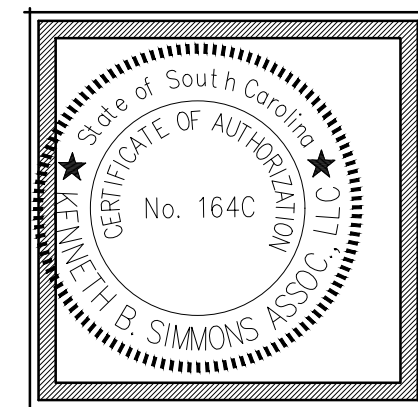
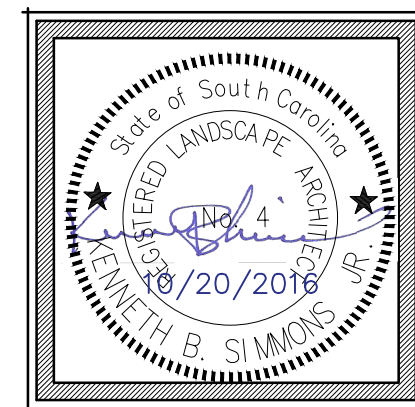
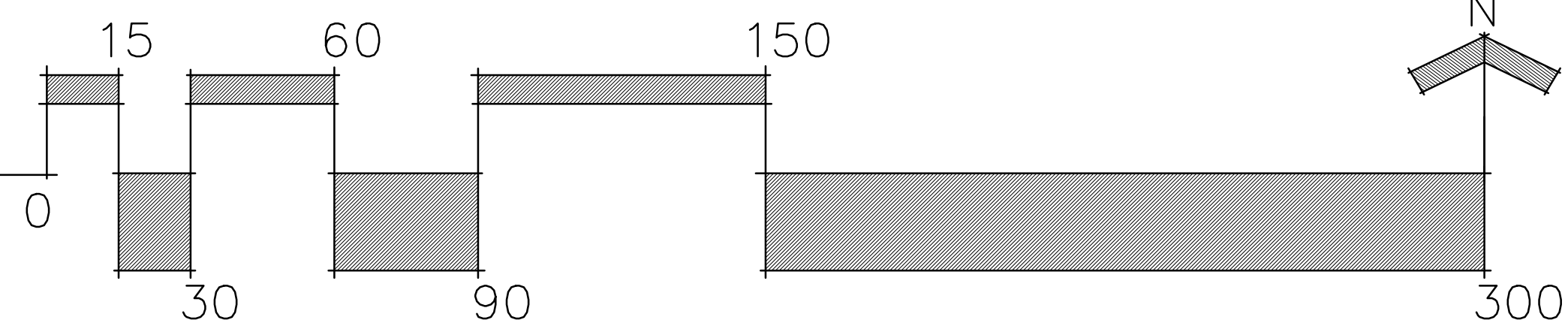
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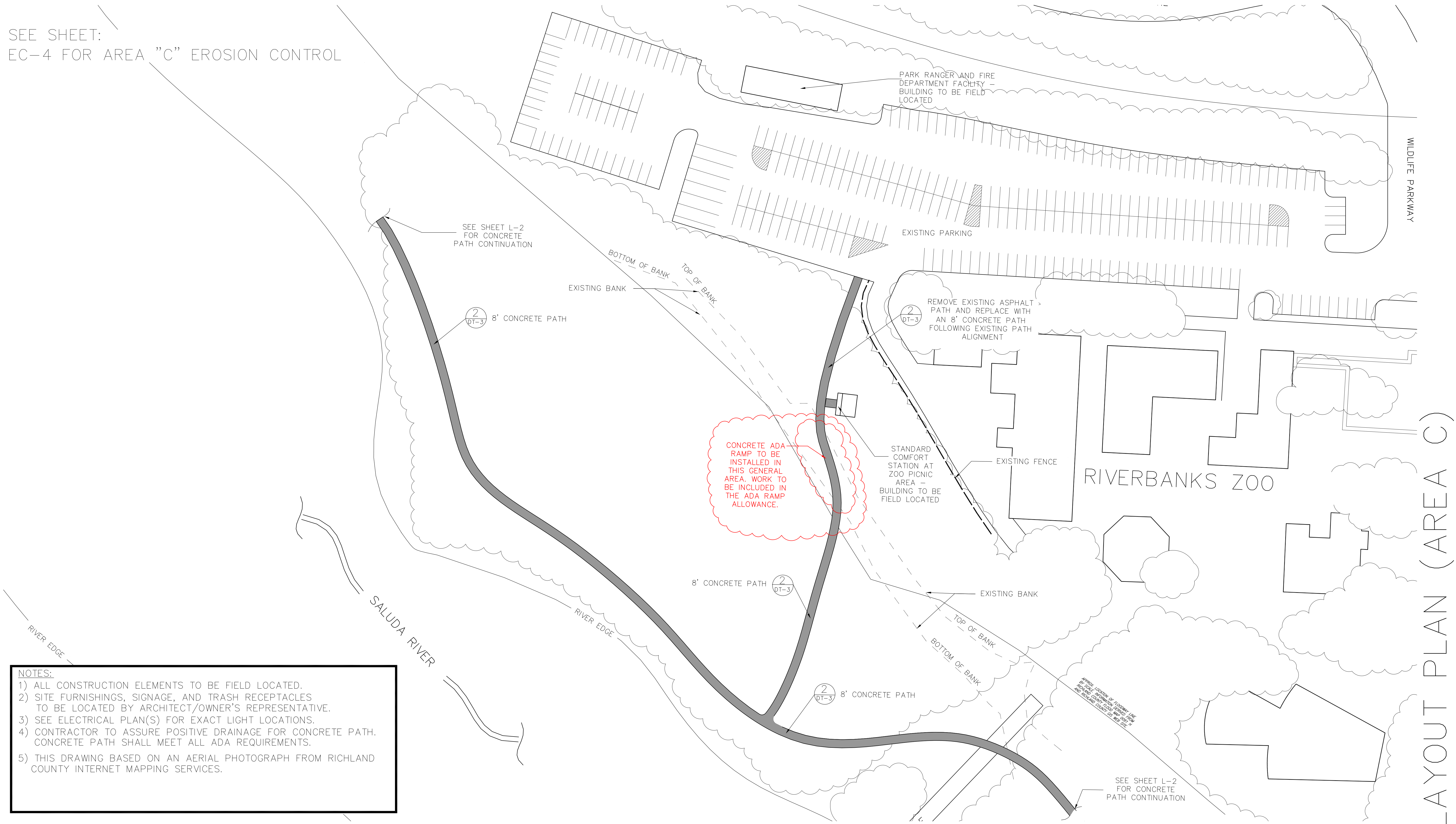
SALUDA RIVERWALK PH 1
A COMPONENT OF THE
THREE RIVERS GREENWAY



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SEE SHEET: \

EC-4 FOR AREA "C" EROSION CONTROL

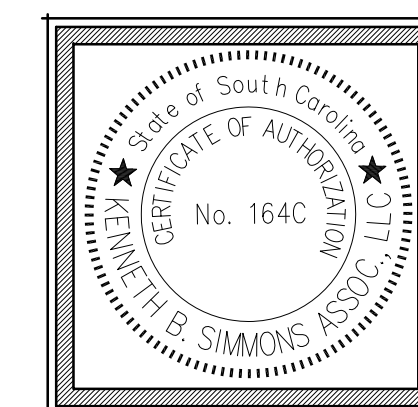
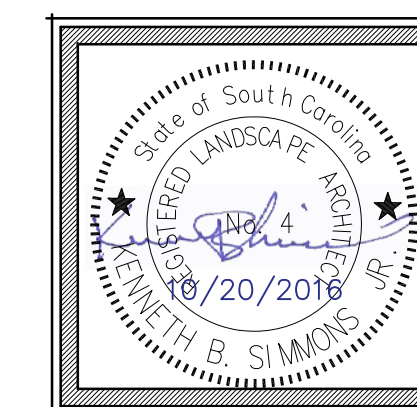
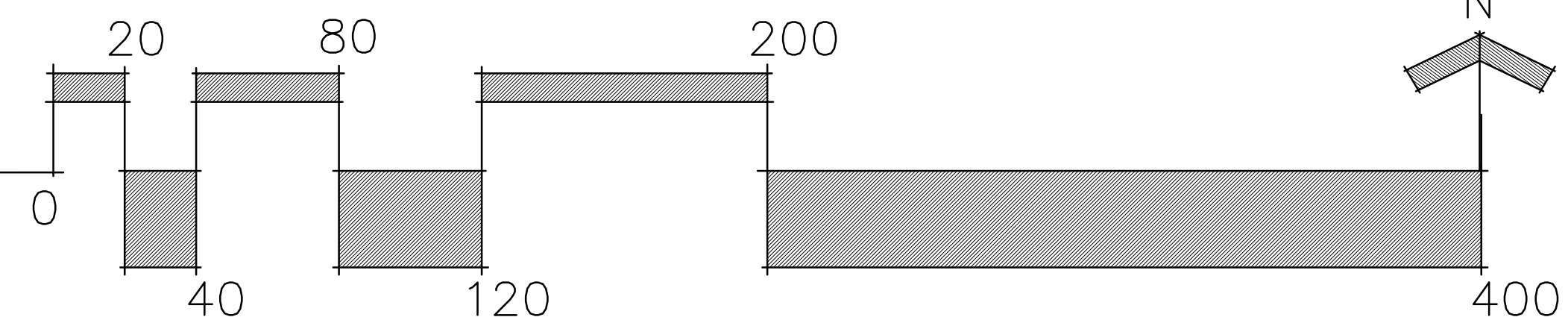


NOTES:

- 1) ALL CONSTRUCTION ELEMENTS TO BE FIELD LOCATED.
- 2) SITE FURNISHINGS, SIGNAGE, AND TRASH RECEPTACLES TO BE LOCATED BY ARCHITECT/OWNER'S REPRESENTATIVE.
- 3) SEE ELECTRICAL PLAN(S) FOR EXACT LIGHT LOCATIONS.
- 4) CONTRACTOR TO ASSURE POSITIVE DRAINAGE FOR CONCRETE PATH. CONCRETE PATH SHALL MEET ALL ADA REQUIREMENTS.
- 5) THIS DRAWING BASED ON AN AERIAL PHOTOGRAPH FROM RICHLAND COUNTY INTERNET MAPPING SERVICES.

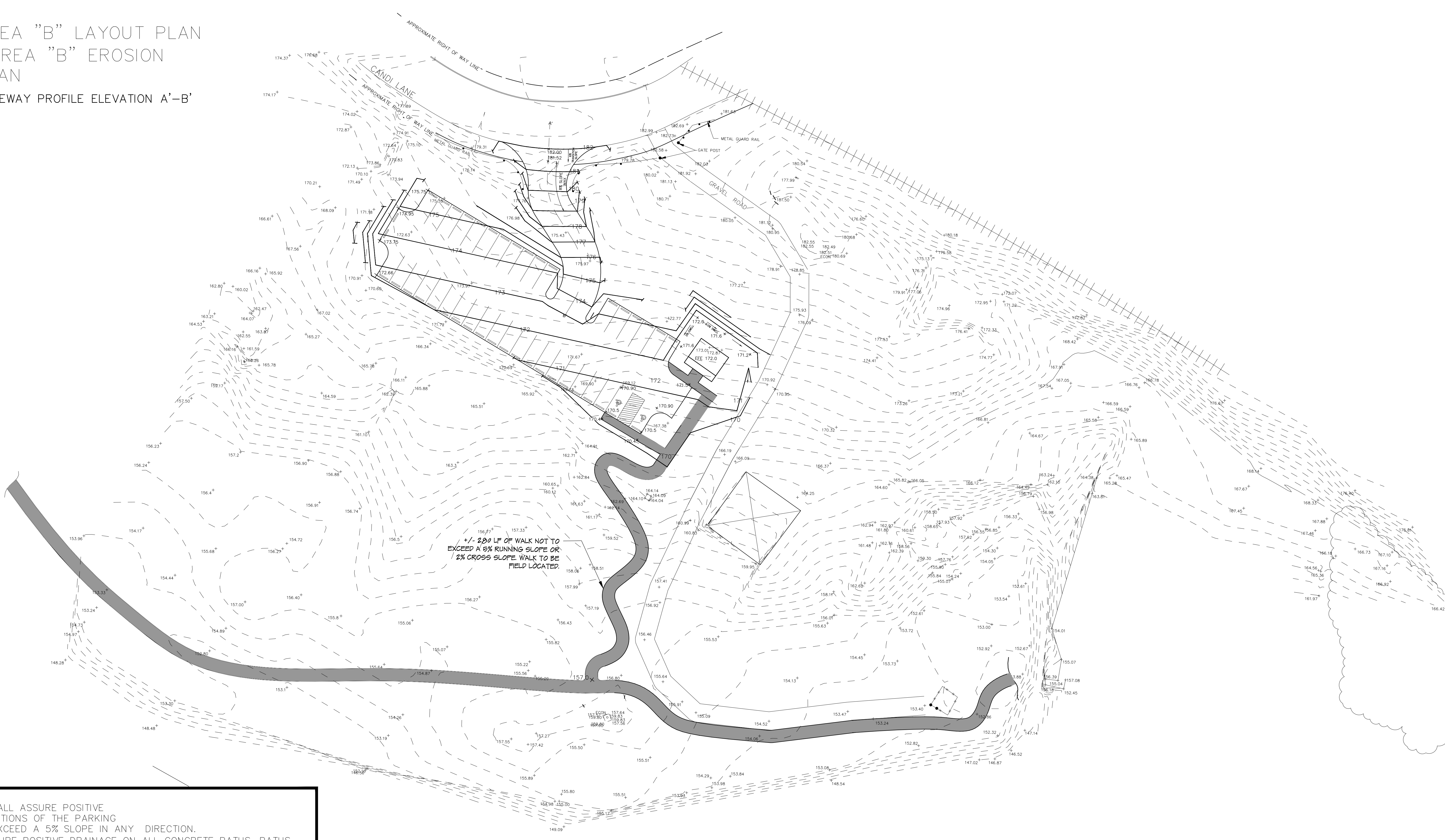
SALUDA RIVERWALK PH 1

A COMPONENT OF THE
THREE RIVERS GREENWAY



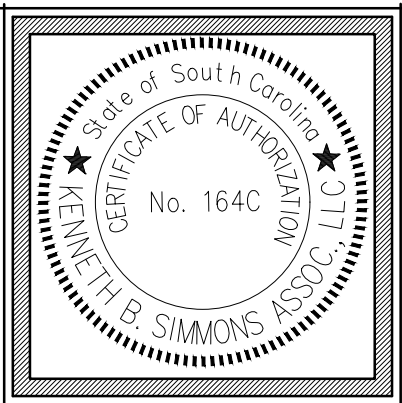
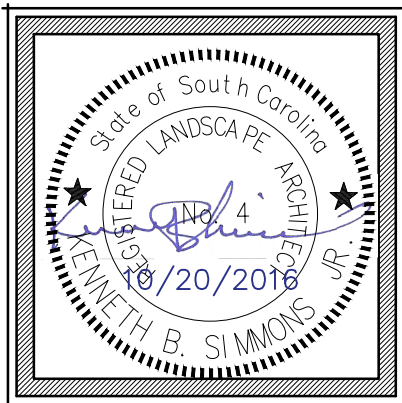
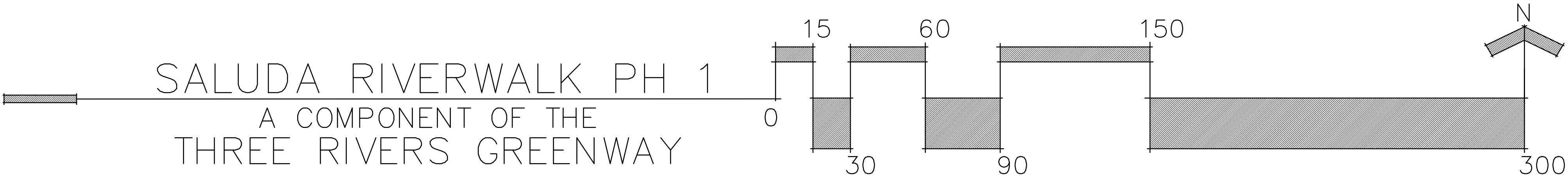
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SEE SHEET:
L-5 FOR AREA "B" LAYOUT PLAN
EC-3 FOR AREA "B" EROSION
CONTROL PLAN
SEE G-2 FOR DRIVEWAY PROFILE ELEVATION A'-B'



NOTE:
1) THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE IN ALL DIRECTIONS OF THE PARKING LOT AND SHALL NOT EXCEED A 5% SLOPE IN ANY DIRECTION.
2) CONTRACTOR TO ASSURE POSITIVE DRAINAGE ON ALL CONCRETE PATHS. PATHS SHALL MEET ADA REQUIREMENTS. PATHS CROSS SLOPES SHALL NOT EXCEED 2%.

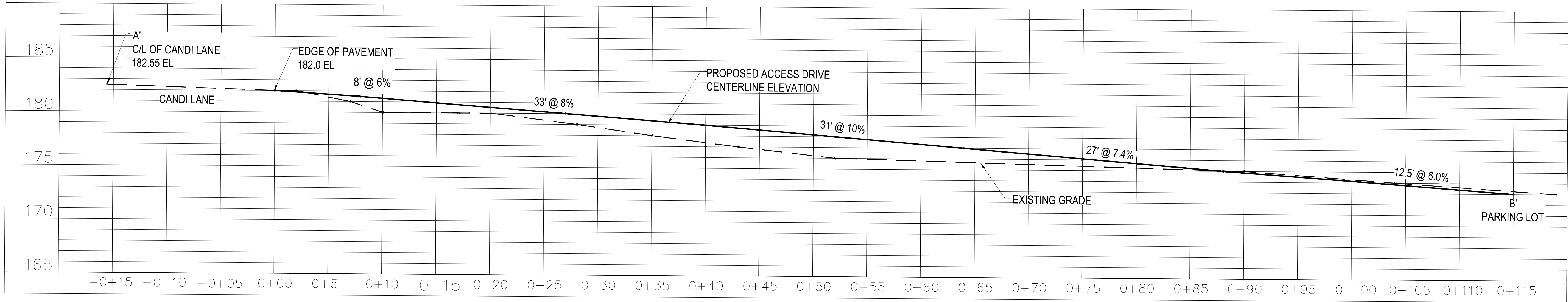
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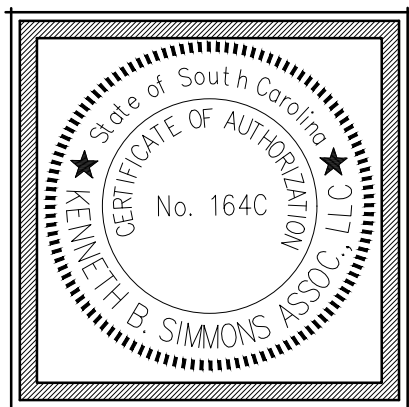
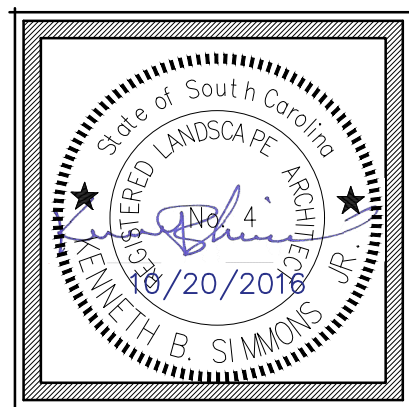
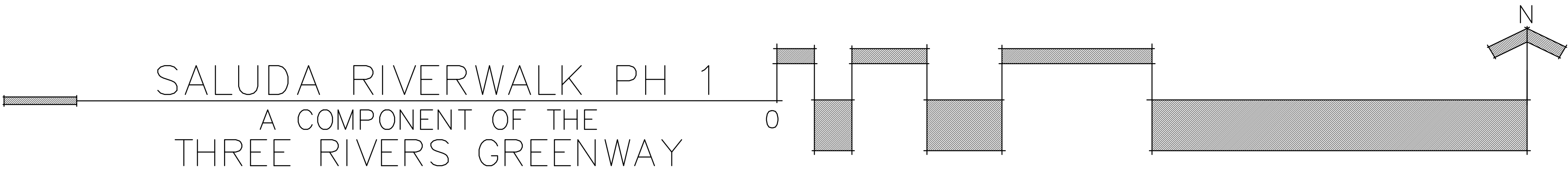
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GRADING PLAN(AREA B)




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Sediment and Erosion Control Notes:

1.
- SILT FENCES AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED BEFORE ANY CONSTRUCTION IS TO BEGIN. SILT FENCES ARE NOT REQUIRED THE ENTIRE LENGTH OF GREENWAY, ONLY WHERE CONSTRUCTION IS ACTIVE. SILT FENCE CAN BE REMOVED UPON COMPLETION/STABALATION OF PHASED WORK.
2.
- INSTALL PERMANENT VEGETATIVE COVER AND LONG-TERM EROSION CONTROL PROTECTION MEASURES AND STRUCTURES AS SOON AS PRACTICAL IN THE DEVELOPMENT PROCESS.
3.
- IN ANY AREAS DISTURBED BY CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING SEDIMENT & EROSION ACCORDING TO STATE LAW. SILT BARRIERS SHALL BE MAINTAINED IN PLACE AND IN GOOD CONDITION UNTIL GROUND COVER IS ESTABLISHED AND AS NEEDED TO COMPLY WITH STATE LAW.
4.
- SEDIMENT CONTROL BARRIERS ARE TO BE INSTALLED AROUND EACH END OF ALL STORM DRAIN PIPES. (IF APPLICABLE, SEE DETAIL) 
5.
- THE CONSTRUCTION SEQUENCE SHALL BE:
CLEARING AND GRUBBING OF AREAS FOR INSTALLATION OF PERIMETER CONTROLS, INSTALLATION OF SEDIMENT CONTROL STRUCTURES, REMAINING CLEARING AND GRUBBING, ROUGH GRADING, REMAINING GRADING, UTILITY INSTALLATION, FINAL GRADING, BRIDGE AND BOARDWALK INSTALLATION, CONCRETE PATH INSTALLATION, LANDSCAPE STABILIZATION, AND REMOVAL OF SEDIMENT CONTROLS.
6.
- GRASSING AND STABILIZATION SCHEDULE CAN BE FOUND IN THE SPECIFICATIONS.
7.
- THE CONTRACTOR SHALL PLACE SILT FENCING AT THE TOE OF ALL FILL SLOPES AND IN ANY LOCATIONS NECESSARY TO PREVENT OFFSITE SEDIMENTATION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT WITH NO ADDITIONAL COST TO THE OWNER.
8.
- THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITIES AS PROJECT OPERATOR TO MEET SCDHEC AND SWPPP REQUIREMENTS DURING CONSTRUCTION AND UNTIL NOTICE OF TERMINATION HAS BEEN ACCEPTED (INCLUDING ALL REQUIRED SUBMISSIONS, REPORTS, AND CERTIFICATIONS).

(THESE NOTES ARE A REQUIREMENT OF THE SC DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL FOR STORM WATER PERMITTING)

- A) IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL THE SLOPE IS BROUGHT TO GRADE.
- B) STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- C) ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH. IF SITE INSPECTIONS OR OTHER INFORMATION IDENTIFY BMPS THAT ARE DAMAGED, INAPPROPRIATELY OR INCORRECTLY INSTALLED, OR NOT OPERATING EFFECTIVELY, THEN MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICABLE, OR AS REASONABLY POSSIBLE AND NO LESS THAN 48 HOURS FROM THE TIME OF IDENTIFICATION (PREFERABLY BEFORE THE NEXT STORM EVENT).
- D) PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES AS MAY BE REQUIRED TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY STORMWATER SYSTEMS, WATER COURSES AND WATERS OF THE STATE (WOS) OR WATERS OF THE UNITED STATES (WOUS.).
- E) ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- F) THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- G) RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH SC REG. 72 300 SEQ. AND SCR100000.
- H) TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

- I) LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- J) INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF SEVEN (7) CALENDAR DAYS.
- K) MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE AND STOCKPILE TOPSOIL FOR REUSE.
- L) IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.

SPECIAL NOTES:

SECTIONS OF THE THREE RIVERS GREENWAY ARE BEING BUILT AMONG HISTORIC PROPERTIES THAT ARE ELIGIBLE FOR OR LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES. THESE PROPERTIES ARE ELIGIBLE FOR OR LISTED ON THE NRHP BECAUSE THEY CONTAIN IMPORTANT INFORMATION ABOUT THE DEVELOPMENT OF COLUMBIA IN THE EARLY NINETEENTH CENTURY. THE NATIONAL HISTORIC PRESERVATION ACT OF 1966 REQUIRES THAT THE POTENTIAL EFFECTS TO THESE SITES BE CONSIDERED IN THE PLANNING PROCESS AND THAT ADVERSE EFFECTS BE MINIMIZED OR MITIGATED. THE US ARMY CORPS OF ENGINEERS, CHARLESTON DISTRICT MONITORS AND REGULATES THE EFFECTS AS A CONDITION OF PERMITS ISSUED FOR THE THREE RIVERS GREENWAY.

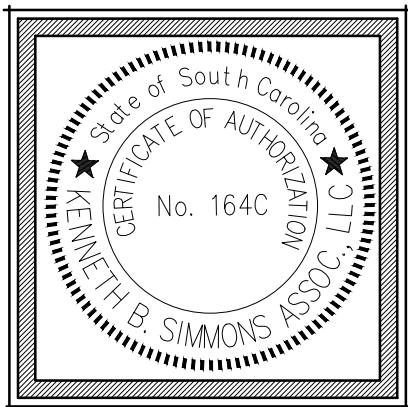
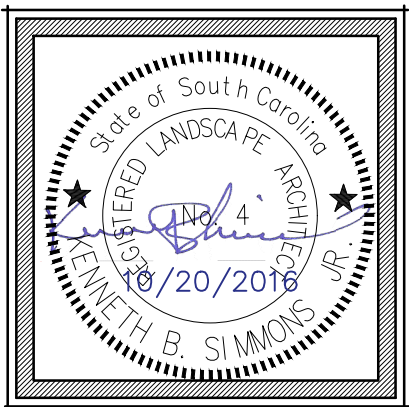
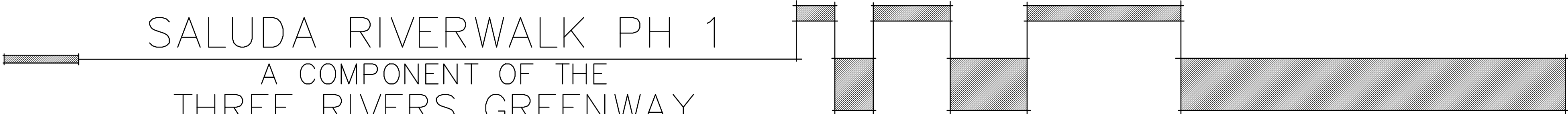
CONSTRUCTION ACTIVITIES, WHICH TAKE PLACE BELOW GRADE, MAY DAMAGE SIGNIFICANT DEPOSITS IF THEY EXIST. IT IS POSSIBLE THAT LAND-DISTURBING ACTIVITIES MAY ENCOUNTER ARCHAEOLOGICAL DEPOSITS OR FEATURES THAT ARE CLOSER TO THE SURFACE THAN EXPECTED. ALL FOREMEN AND OPERATORS NEED TO BE AWARE OF THIS DANGER. IF ARTIFACTS OR ARCHAEOLOGICAL FEATURES ARE ENCOUNTERED DURING GROUND DISTURBING ACTIVITIES:

1. STOP ALL WORK IN THE IMMEDIATE AREA OF THE DISCOVERY.
2. CALL MIKE DAWSON AT THE RIVER ALLIANCE (765-2200) OR KEN SIMMONS AT KENNETH B. SIMMONS ASSOCIATES (254-3791).
3. DAWSON/SIMMONS WILL CALL SC DEPARTMENT OF ARCHIVES AND HISTORY AND/OR US ARMY CORPS OF ENGINEER. THE RIVER ALLIANCE WILL RETAIN A PROFESSIONAL ARCHAEOLOGIST TO INSPECT THE DISCOVERY AND EVALUATE THE SIGNIFICANCE OF THE ARTIFACTS/FEATURES. IN CONCERT WITH SC DEPARTMENT OF ARCHIVES AND HISTORY, A PLAN FOR DEALING WITH THE DISCOVERY WILL BE DEVELOPED (USUALLY WITHIN TWO BUSINESS DAYS OF THE REPORTED FIND). IF THE FIND IS NOT SIGNIFICANT, LAND-DISTURBING ACTIVITIES MAY PROCEED. IF THE FIND IS SIGNIFICANT, ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS WILL BE REQUIRED. ONCE THE ARCHAEOLOGICAL INVESTIGATIONS ARE COMPLETE AND THE RESULTS ACCEPTED BY SCDAH AND USACE, LAND-DISTURBING ACTIVITIES MAY PROCEED IN THE DISCOVERY AREA.

FAILURE TO COMPLY WITH THESE PROCEDURES WILL RESULT IN THE REVOCATION OF PERMITS UNDER WHICH THE PROJECT IS BEING BUILT, CAUSING SERIOUS TIME DELAYS AND COST OVERRUNS.

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SALUDA RIVERWALK PH 1
A COMPONENT OF THE
THREE RIVERS GREENWAY



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SEE SHEET:
L-4 FOR AREA "A" LAYOUT PLAN

- 1. SEE SEDIMENT AND EROSION CONTROL NOTES ON SHEET EC-1.
- 2. SILT FENCES AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED BEFORE ANY CONSTRUCTION IS TO BEGIN. SILT FENCES ARE NOT REQUIRED THE ENTIRE LENGTH OF GREENWAY, ONLY WHERE CONSTRUCTION IS ACTIVE. SILT FENCE CAN BE REMOVED UPON COMPLETION/STABALATION OF PHASED WORK.



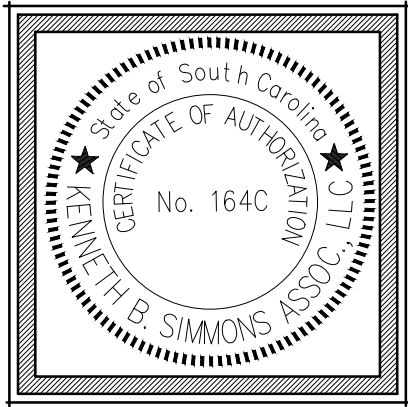
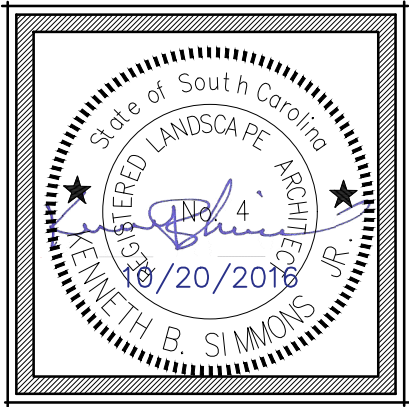
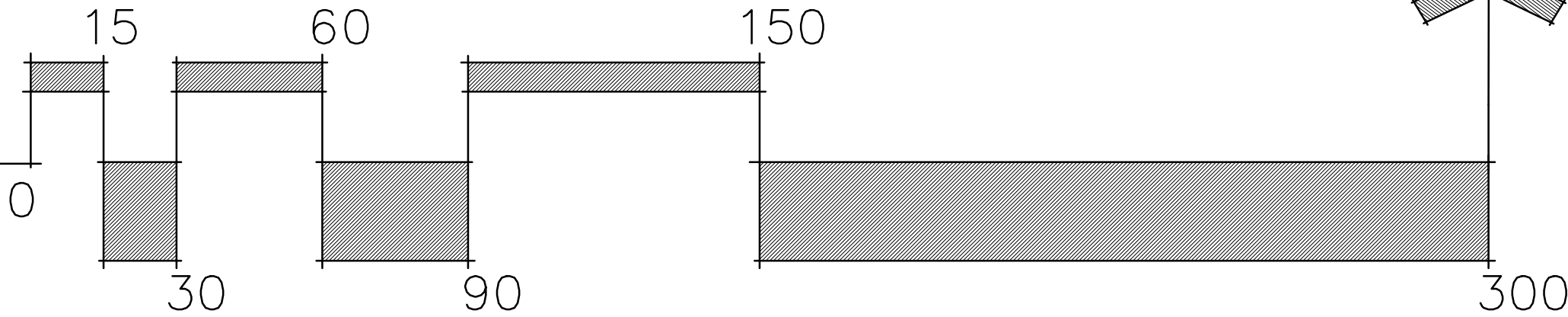
LEGEND

EXISTING	DESCRIPTION
—	CENTER LINE
—	OVERHEAD POWER LINE
—	FENCE LINE
—	EDGE OF WET LANDS
—	LIGHT POLE
—	POWER POLE
—	CONCRETE
—	WET LANDS
—	TREE W/DESCRIPTOR

NOTE: CONTOUR INTERVAL IS 1.0'

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SALUDA RIVERWALK PH 1
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EROSION CONTROL (AREA A)

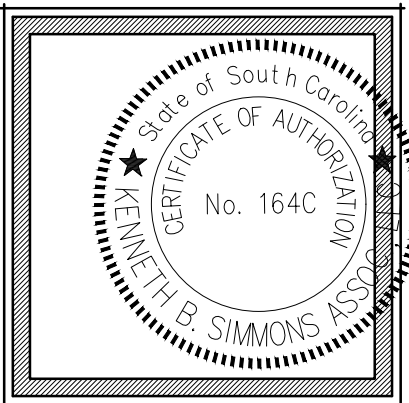
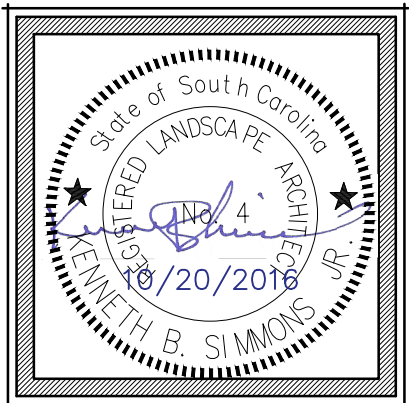
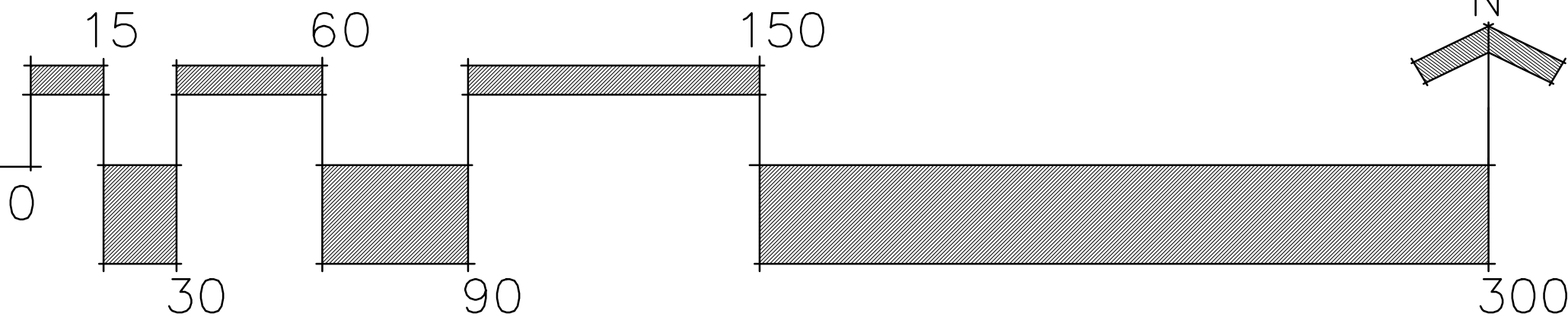


SEE SHEET:
L-5 FOR AREA "B" LAYOUT PLAN
G-1 FOR AREA "B" GRADING PLAN

1. SEE SEDIMENT AND EROSION CONTROL NOTES ON SHEET EC-1.
2. SILT FENCES AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED BEFORE ANY CONSTRUCTION IS TO BEGIN. SILT FENCES ARE NOT REQUIRED THE ENTIRE LENGTH OF GREENWAY, ONLY WHERE CONSTRUCTION IS ACTIVE. SILT FENCE CAN BE REMOVED UPON COMPLETION/STABILATION OF PHASED WORK.

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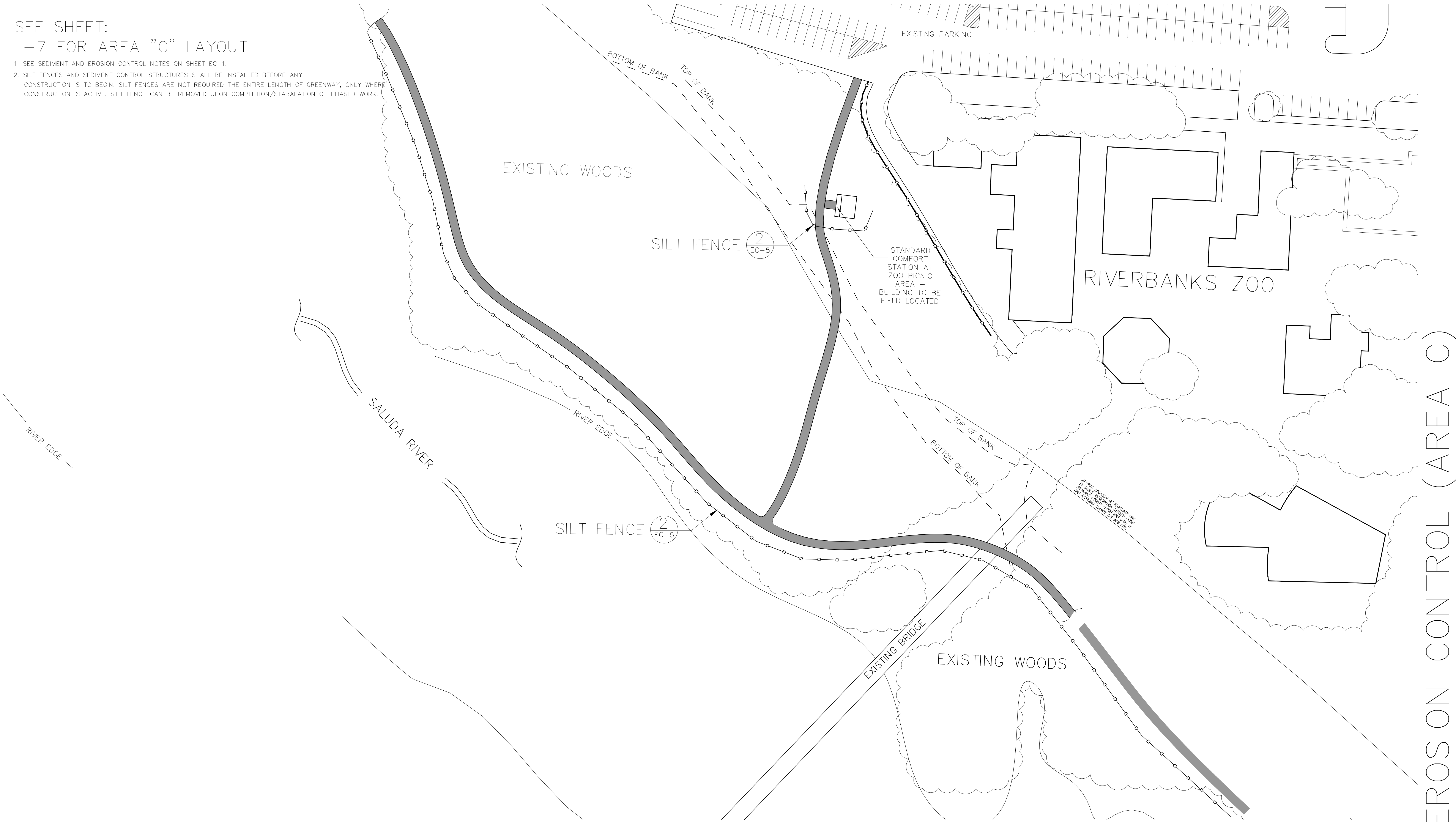


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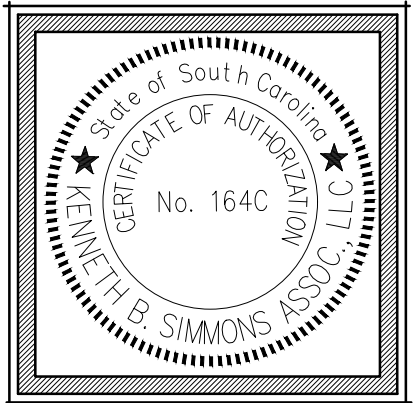
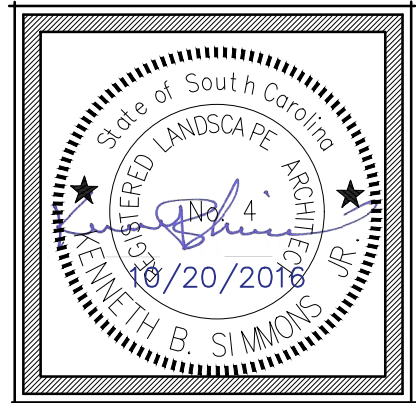
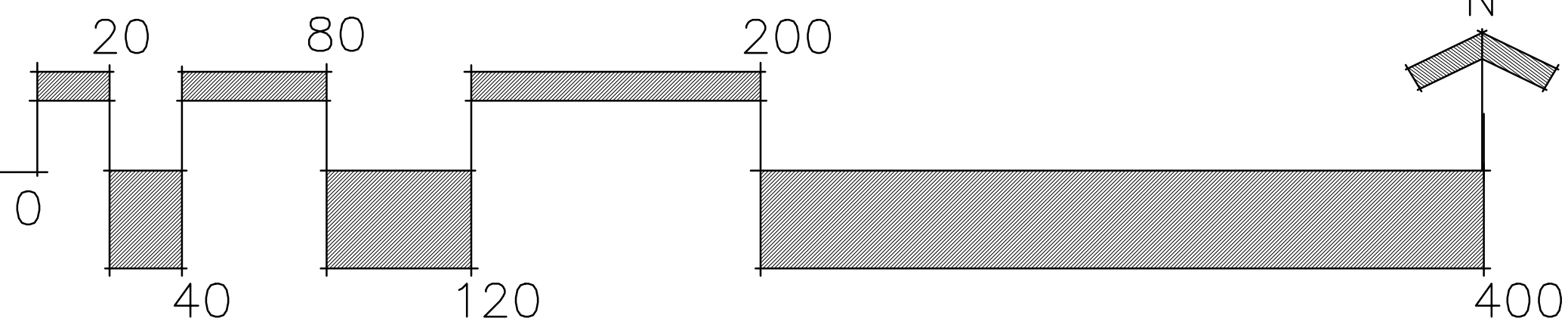
SEE SHEET:
L-7 FOR AREA "C" LAYOUT

- 1. SEE SEDIMENT AND EROSION CONTROL NOTES ON SHEET EC-1.
- 2. SILT FENCES AND SEDIMENT CONTROL STRUCTURES SHALL BE INSTALLED BEFORE ANY CONSTRUCTION IS TO BEGIN. SILT FENCES ARE NOT REQUIRED THE ENTIRE LENGTH OF GREENWAY, ONLY WHERE CONSTRUCTION IS ACTIVE. SILT FENCE CAN BE REMOVED UPON COMPLETION/STABALATION OF PHASED WORK.



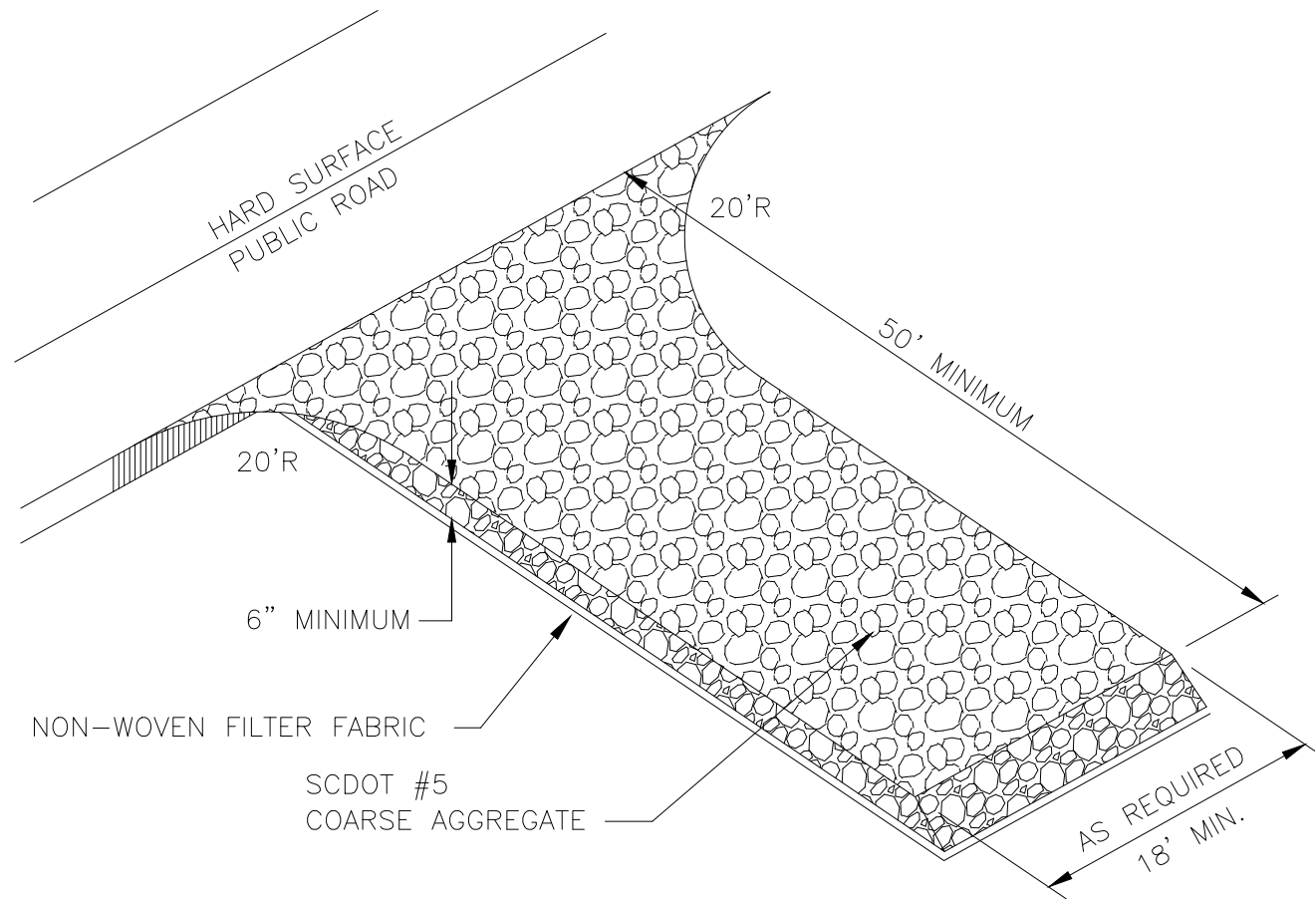
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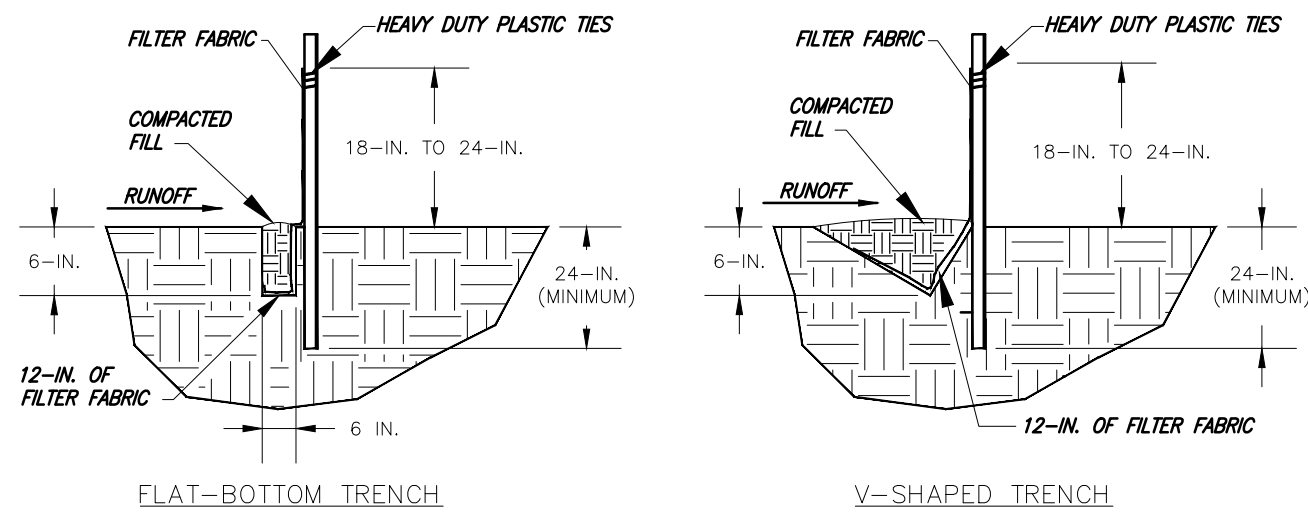
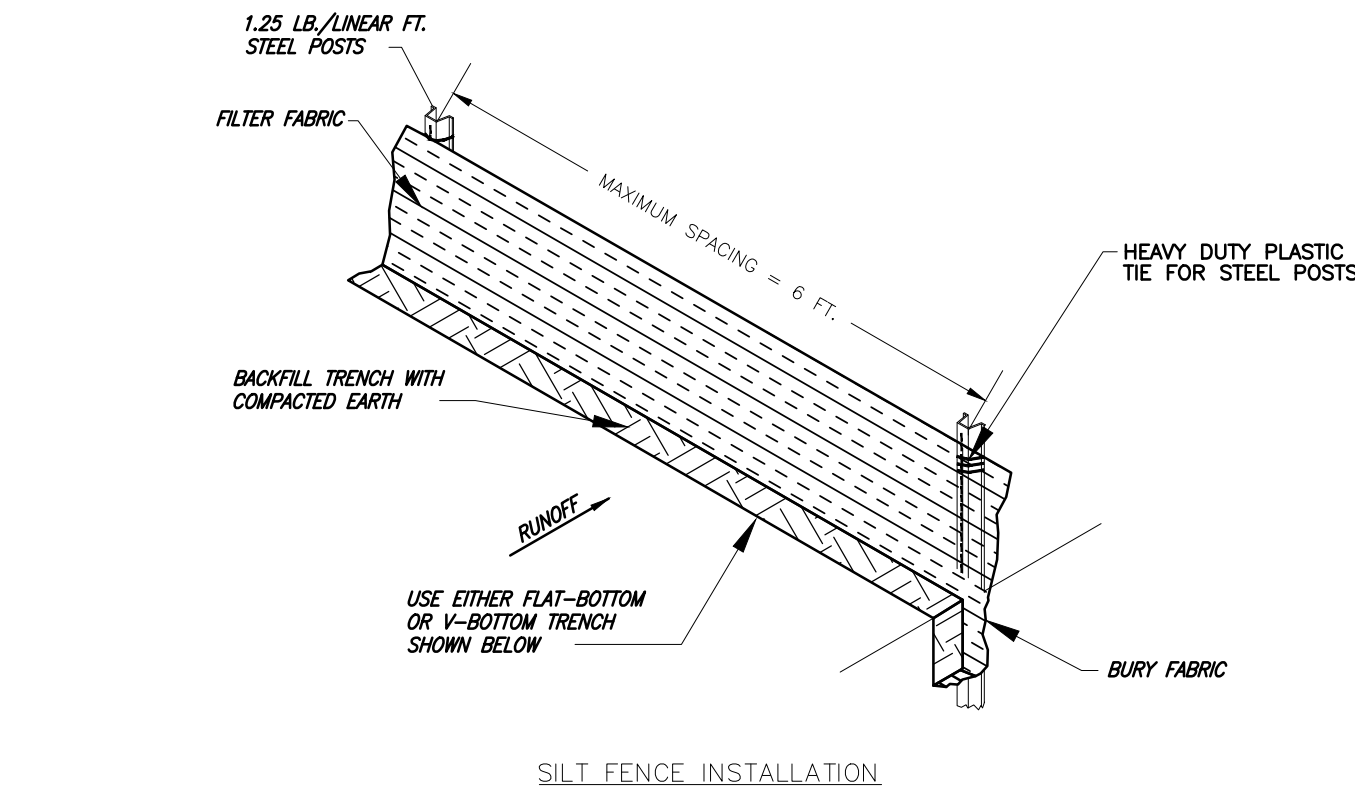
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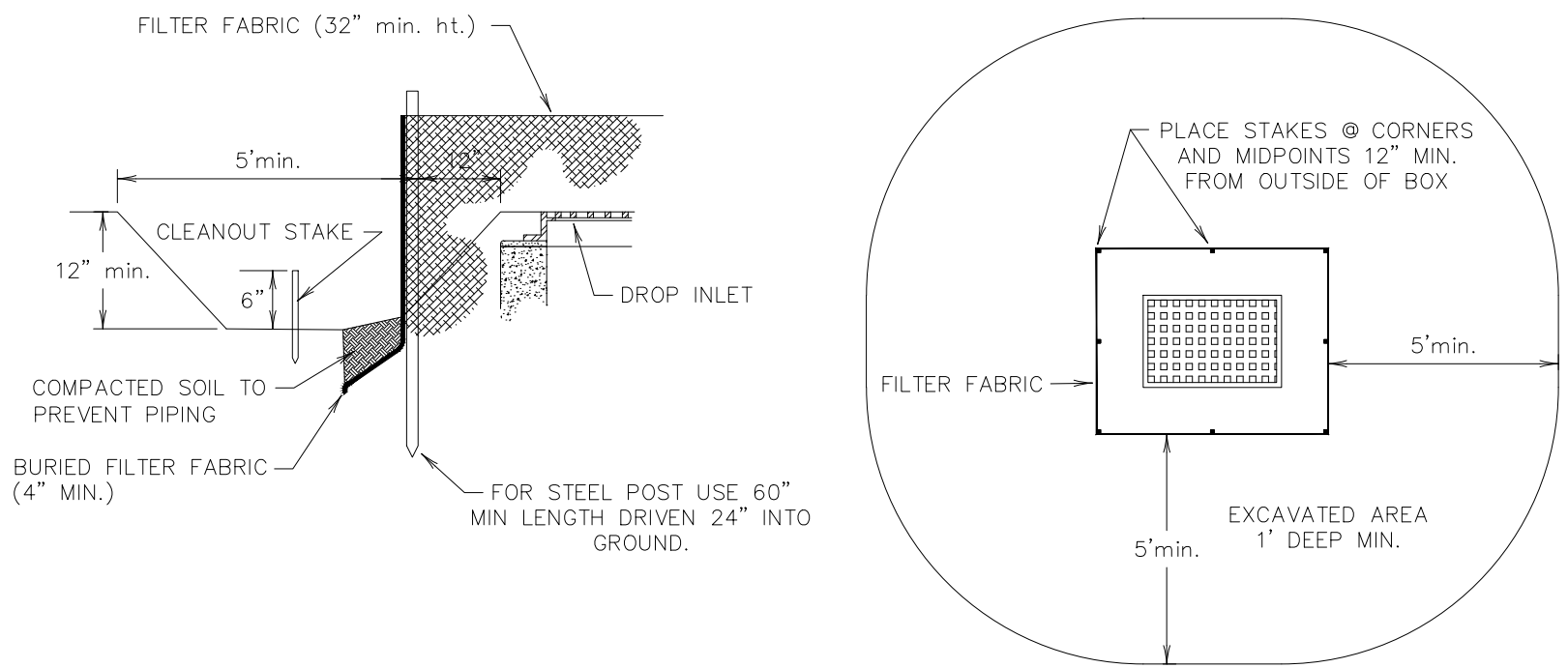


NOTE:
ACCUMULATED SEDIMENT SHALL BE REMOVED AND/OR ADDITIONAL AGGREGATE ADDED IF GRAVEL CONSTRUCTION EXIT FAILS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO ROADWAY.

1 GRAVEL CONSTRUCTION EXIT EC-5 NOT TO SCALE



2 SILT FENCE DETAIL EC-5 NOT TO SCALE



NOTES:
1. CONTRACTOR SHALL PROVIDE INSPECTION AND MAINTENANCE OF SILT FENCES FOLLOWING ALL SIGNIFICANT RAINFALL EVENTS, INSURING FENCES ARE ERECT AND CLEAR OF SILT, REPLACING ALL TORN FABRIC.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED UPON SEDIMENT REACHING TOP OF CLEANOUT STAKE.

3 CATCH BASIN SEDIMENT TRAP(AS APPLICABLE) EC-5 NOT TO SCALE

SALUDA RIVERWALK PH 1 A COMPONENT OF THE THREE RIVERS GREENWAY

Silt fence is applicable in areas:
• Where the maximum sheet or overland flow path length to the fence is 100–feet.
• Where the maximum slope steepness (normal [perpendicular] to fence line) is 2H:1V.
• That do not receive concentrated flows greater than 0.5 cfs.
• ¼ acre drainage per 100 linear feet
• Do not place silt fence across channels or use it as a velocity control BMP.

Materials

Steel Posts
Use 48–inch long steel posts that meet the following minimum physical requirements:
• Composed of high strength steel with minimum yield strength of 50,000 psi.
• Have a standard "I" section with a nominal face width of 1.38–inches and nominal "I" length of 1.48–inches.
• Weigh 1.25 pounds per foot (± 8%).
• Have a soil stabilization plate with a minimum cross section area of 17–square inches attached to the steel posts.
• Painted with a water based baked enamel paint.

The soil plates should have the following characteristics:
• Be composed of minimum 15 gauge steel.
• Have a minimum cross section area of 17–square inches.

Geotextile Filter Fabric

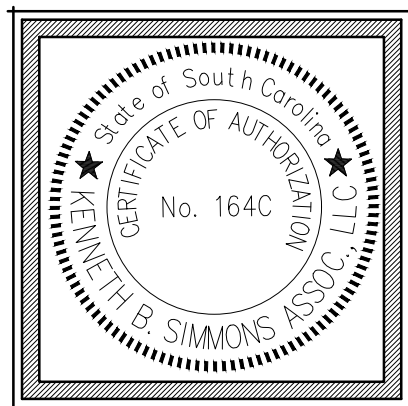
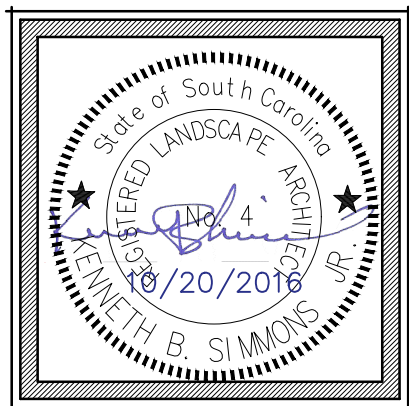
Filter fabric is:
• Composed of fibers consisting of long chain synthetic polymers composed of at least 85% by weight of polyolefins, polyesters, or polyamides.
• Formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
• Free of any treatment or coating which might adversely alter its physical properties after installation.
• Free of defects or flaws that significantly affect its physical and/or filtering properties.
• Cut to a minimum width of 36 inches.

Use only fabric appearing on SCDOT Approval Sheet #34 meeting the requirements of the most current edition of the SCDOT Standard Specifications for Highway Construction.

Installation

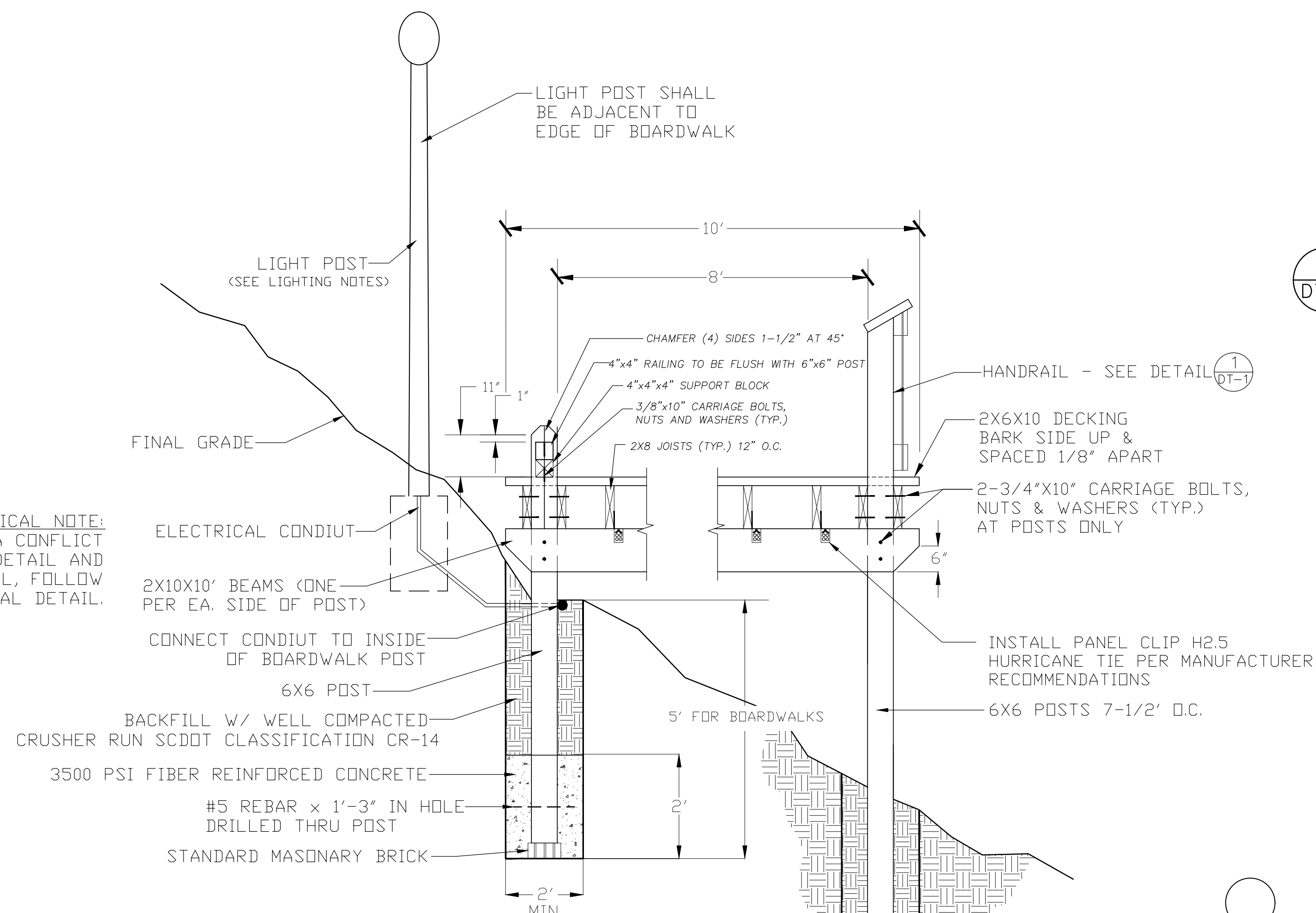
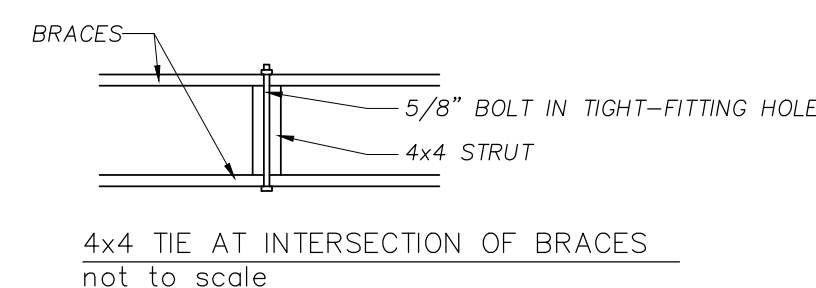
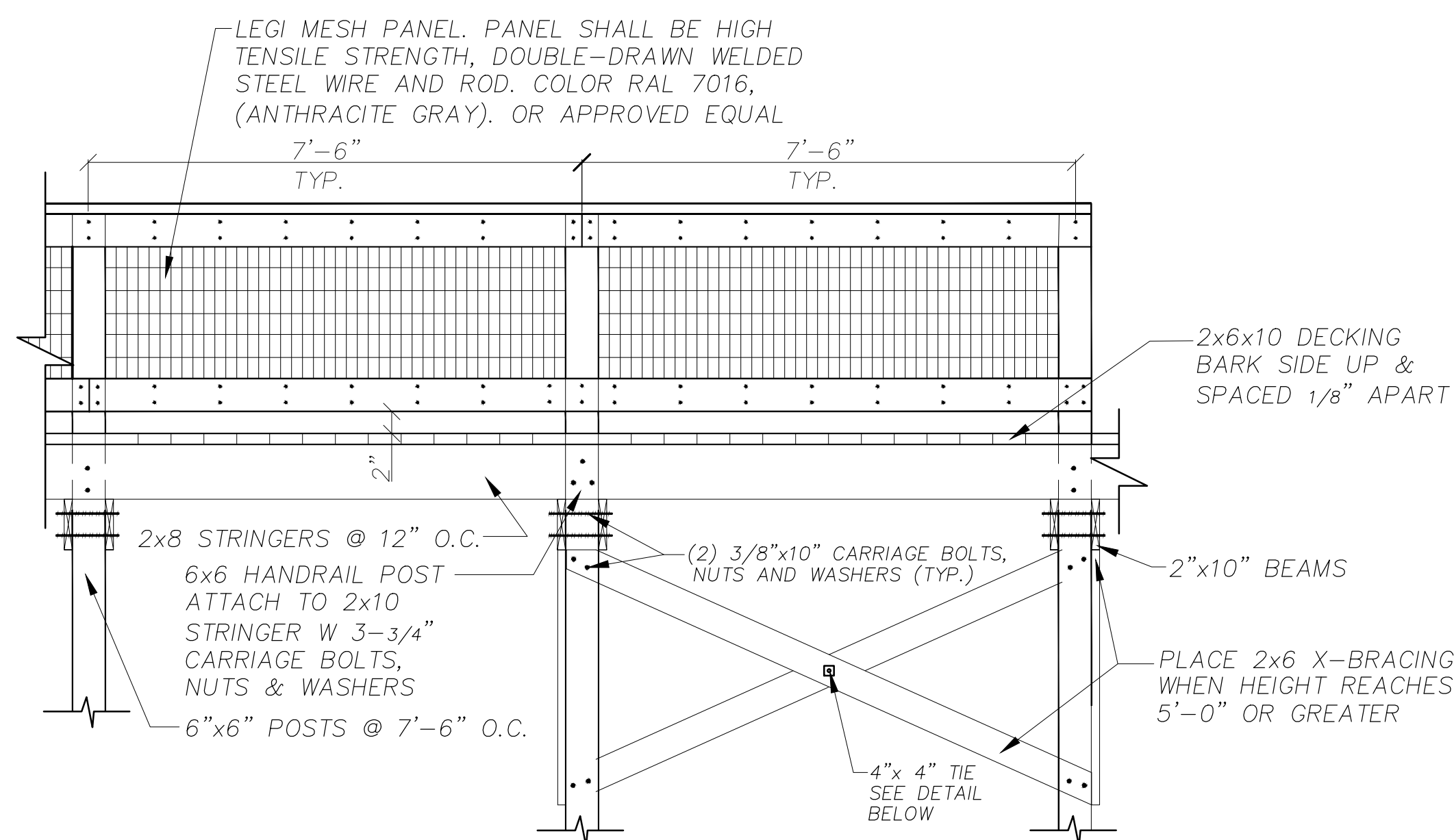
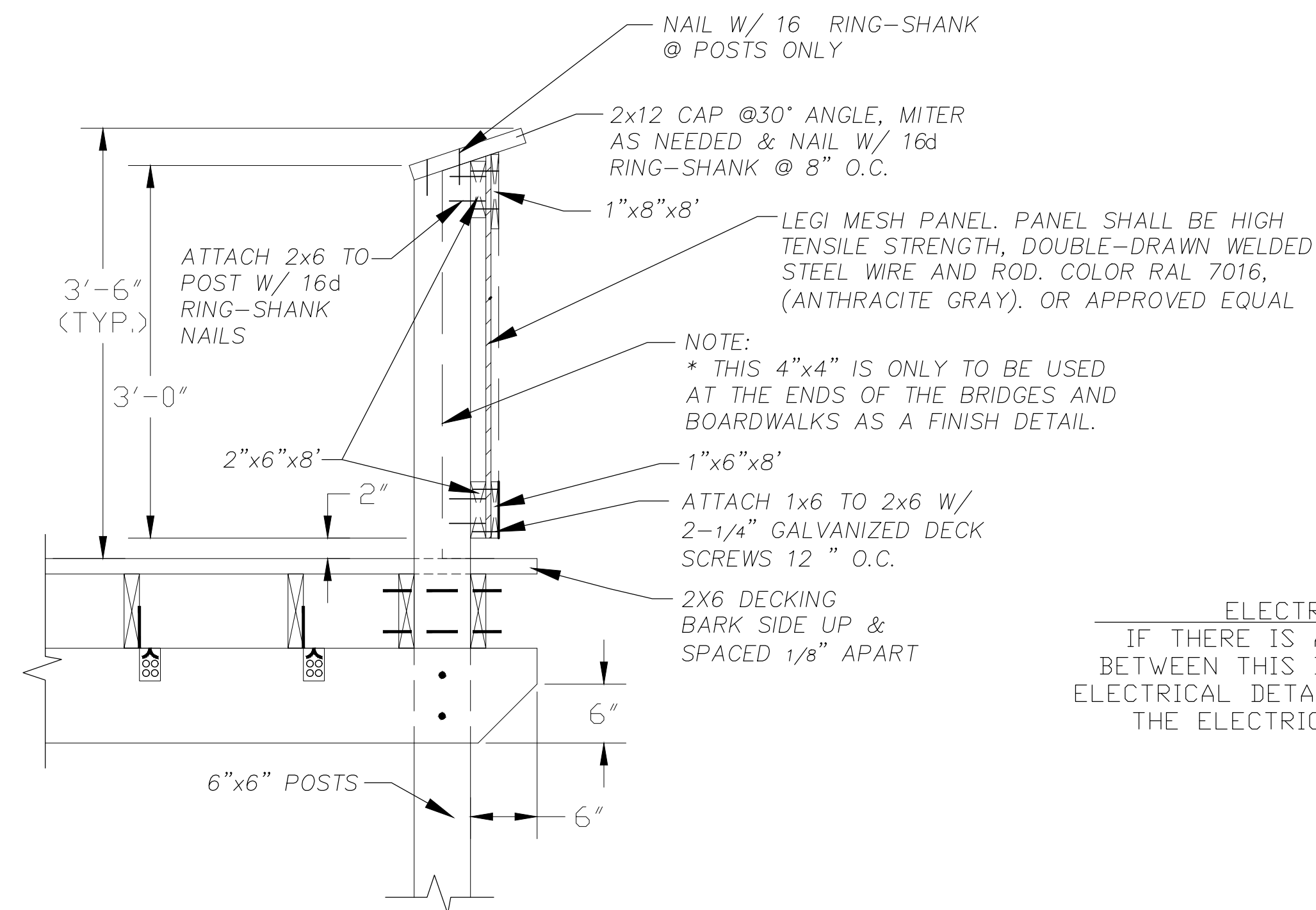
• Leave 10 feet between silt fence and creek or wetland.
• Excavate a trench approximately 6–inches wide and 6–inches deep when placing fabric by hand. Place 12–inches of geotextile fabric into the 6–inch deep trench, extending the remaining 6–inches towards the upslope side of the trench. Backfill the trench with soil or gravel and compact.
• Bury 12–inches of fabric into the ground when pneumatically installing silt fence with a slicing method.
• Purchase fabric in continuous rolls and cut to the length of the barrier to avoid joints. When joints are necessary, wrap the fabric together at a support post with both ends fastened to the post, with a 6–inch minimum overlap.
• Install steel posts to a minimum depth of 24–inches. Install steel posts a minimum of 1– to 2– inches above the fabric, with no more than 3–feet of the post above the ground. Space posts to maximum 6–feet centers.
• Attach fabric to the steel posts using heavy–duty plastic ties that are evenly spaced and placed in a manner to prevent sagging or tearing of the fabric. In call cases, ties should be affixed in no less than 4 places.
• Install the fabric a minimum of 24–inches above the ground. When necessary, the height of the fence above ground may be greater than 24–inches. In tidal areas, extra silt fence height may be required.
• The post height will be twice the exposed post height. Post spacing will remain the same and extra height fabric will be 4–, 5–, or 6–feet tall.
• Locate silt fence checks every 100 feet maximum and at low points.
• Install the fence perpendicular to the direction of flow and place the fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.

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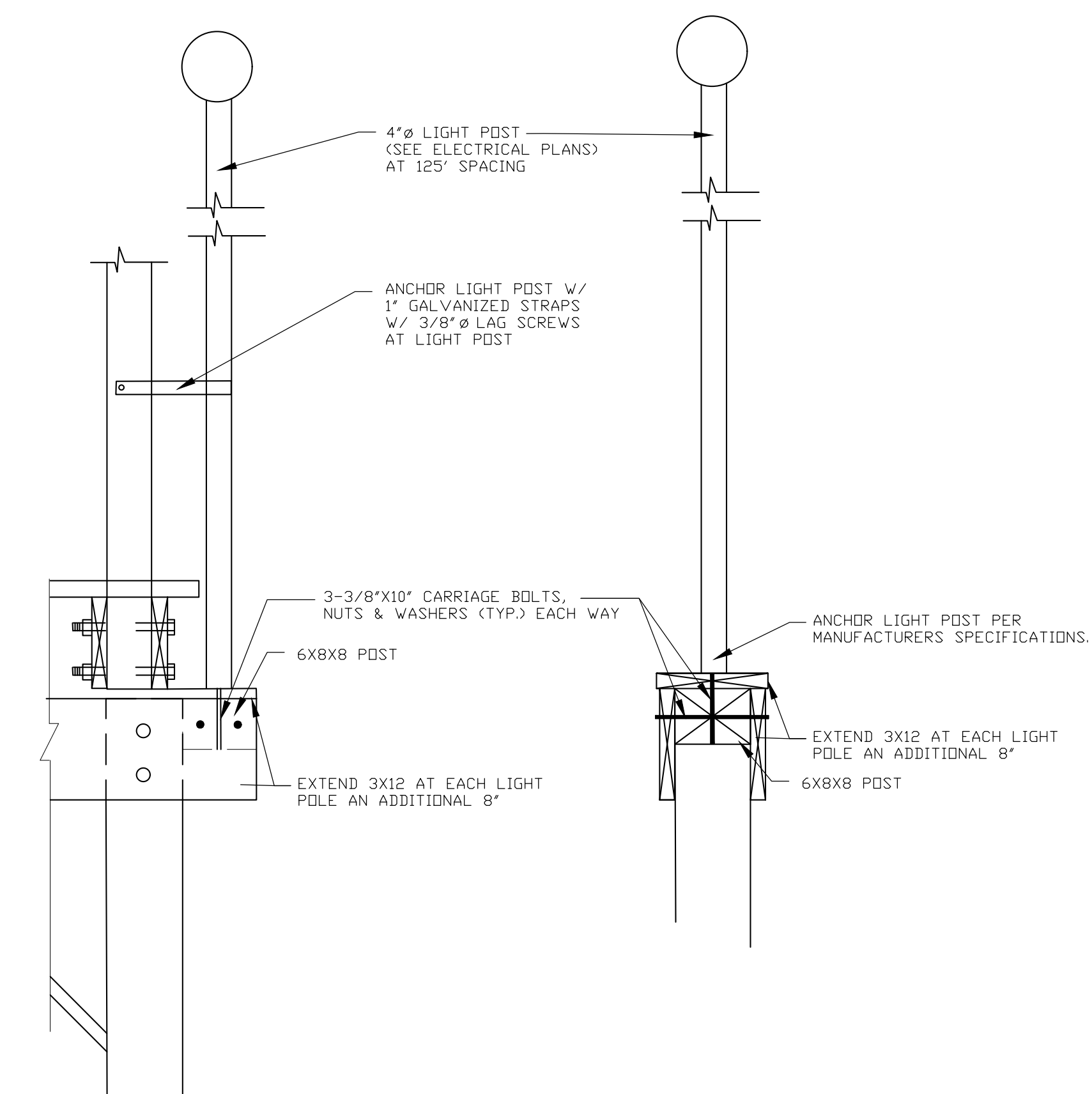
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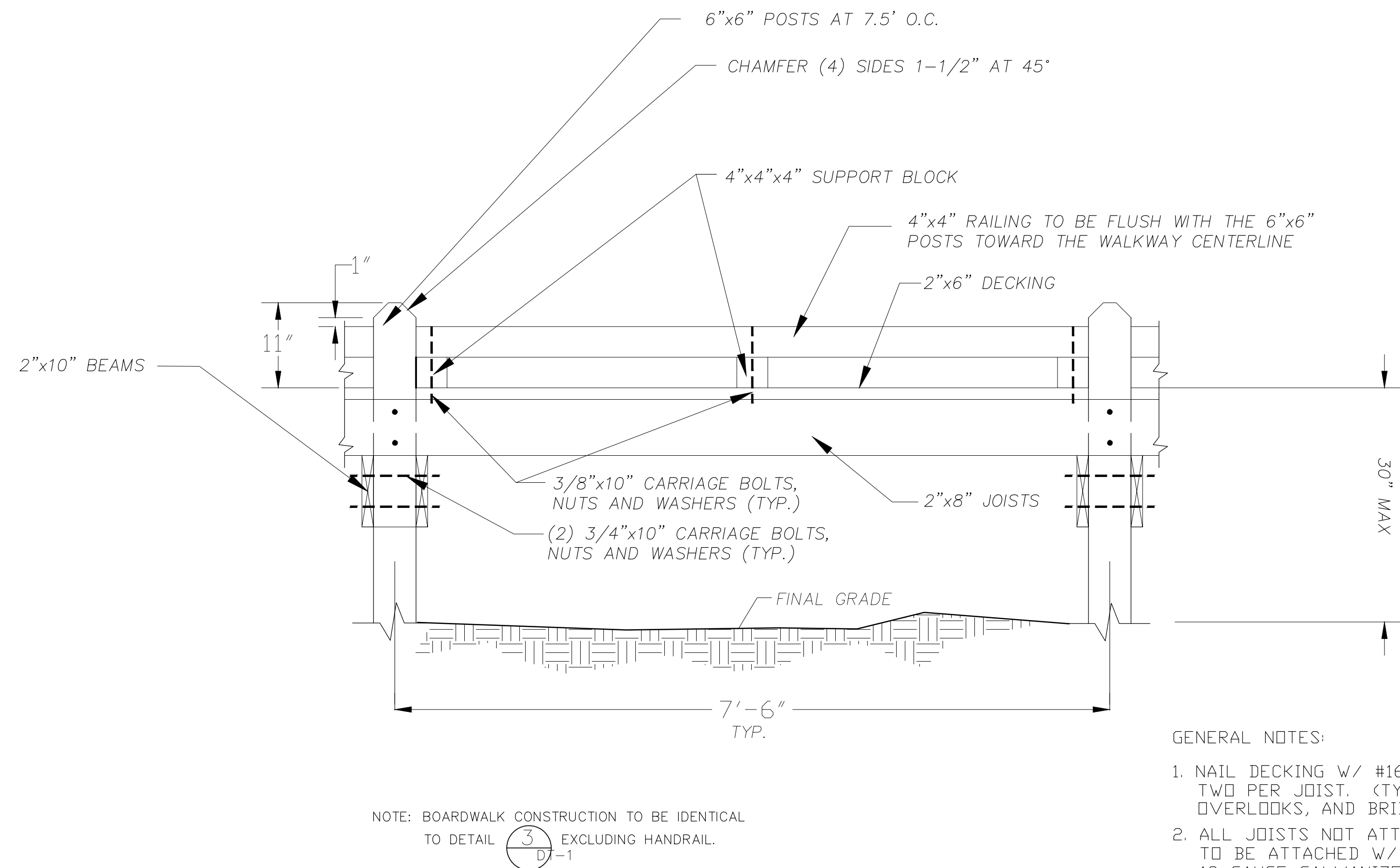
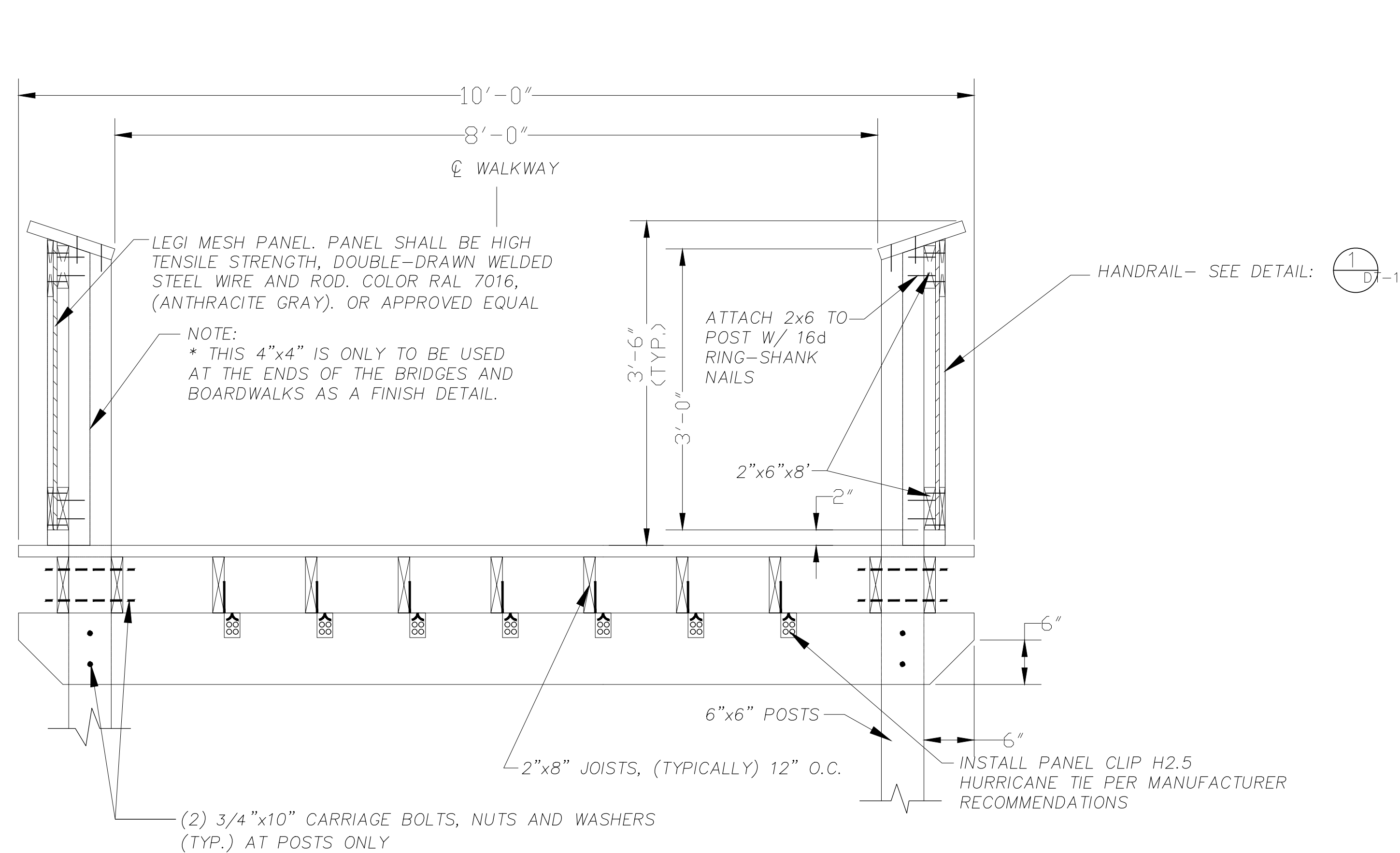
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EC-5
of 5



- GENERAL NOTES:

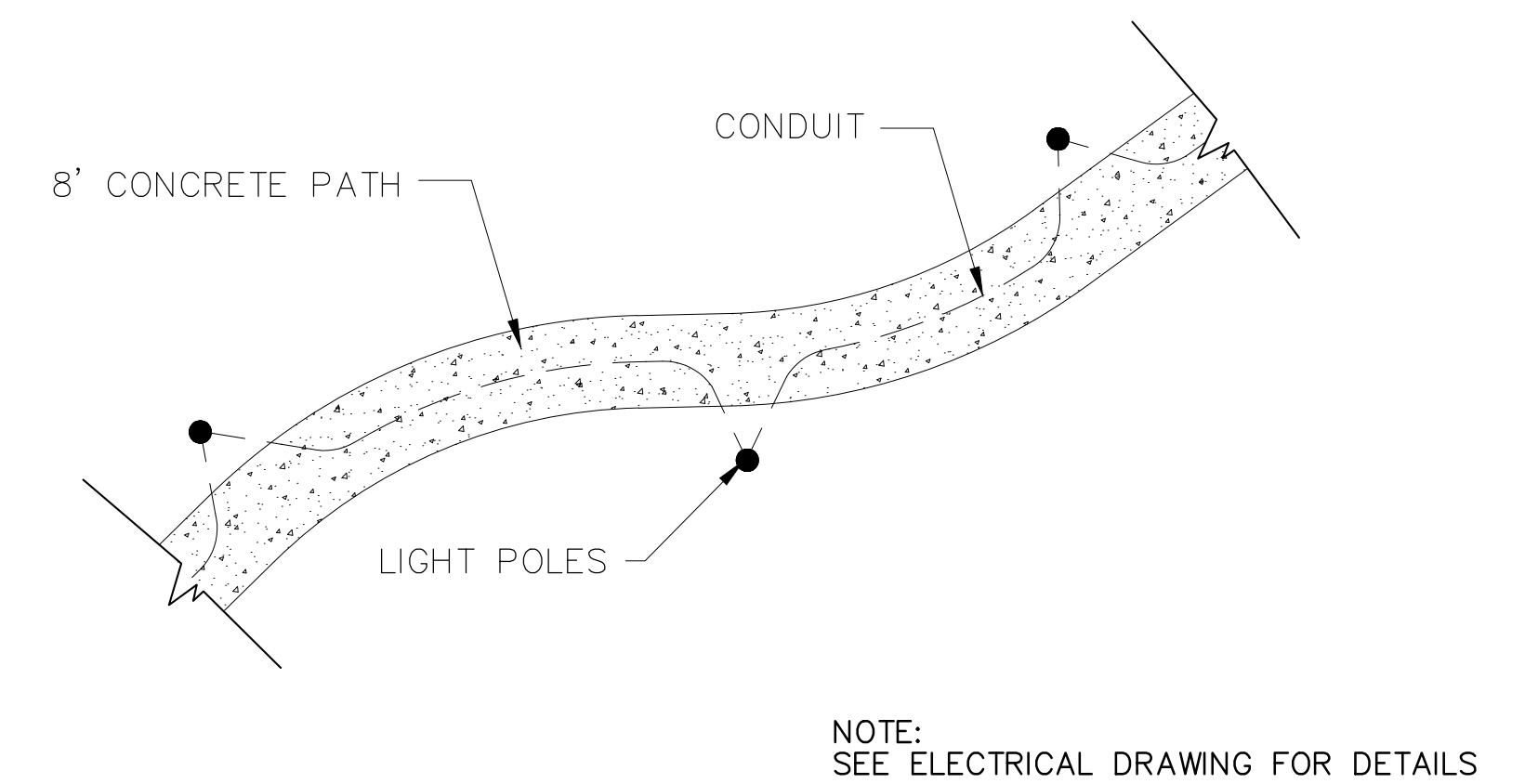
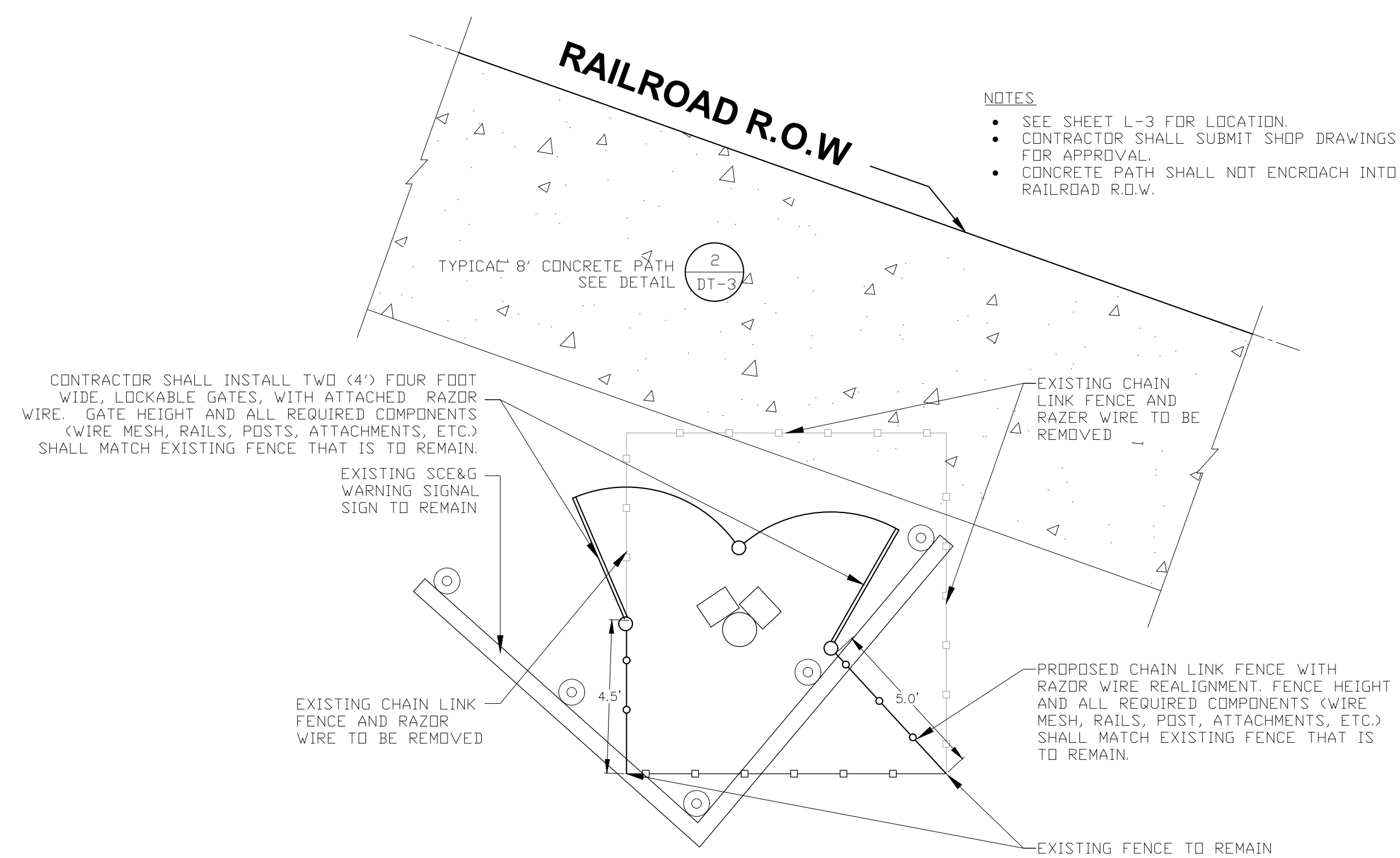
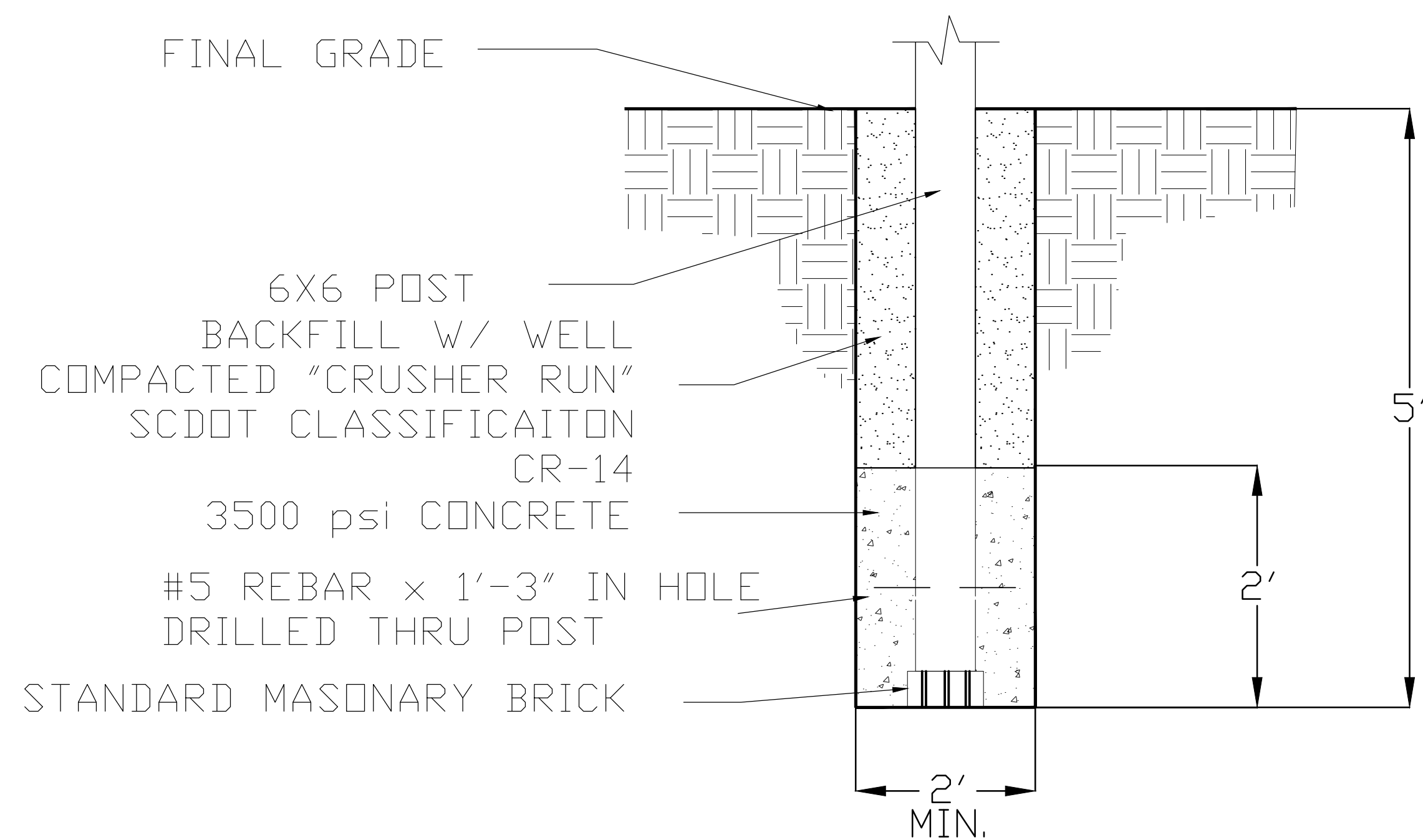
1. NAIL DECKING W/ #16d RING-SHANK NAILS.
TWO PER JOIST. (TYP. FOR ALL BOARDWALKS,
OVERLOOKS, AND BRIDGE.)
2. ALL JOISTS NOT ATTACHED TO POSTS ARE
TO BE ATTACHED W/ H2.5-HURRICANE TIE,
18 GAUGE GALVANIZED STEEL. (TYP. FOR
ALL BOARDWALKS AND OVERLOOKS.)
3. SPLICING OF POSTS, BEAMS, RAILING,
AND JOISTS IS NOT ACCEPTABLE.
4. IN AREAS WHERE BOARDWALK IS LESS THAN 30'
ABOVE GROUND, THE OWNER MAY ELECT TO
USE BOARDWALK WITHOUT A HANDRAIL. SEE DETAIL
5. ALL STRUCTURES SHALL BE STAKED BY CONTRACTOR
AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
6. ALL ELEMENTS ARE SUBJECT TO CHANGE DUE TO
EXISTING SITE CONDITIONS.





- GENERAL NOTES:

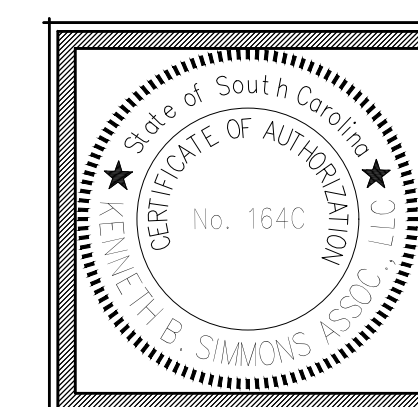
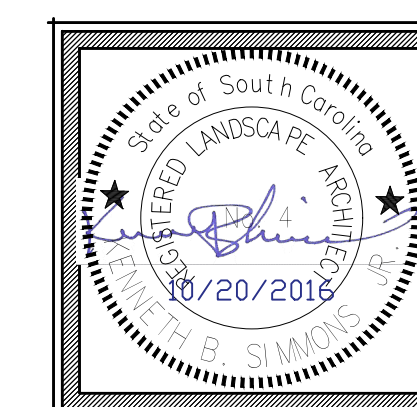
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DETAILS

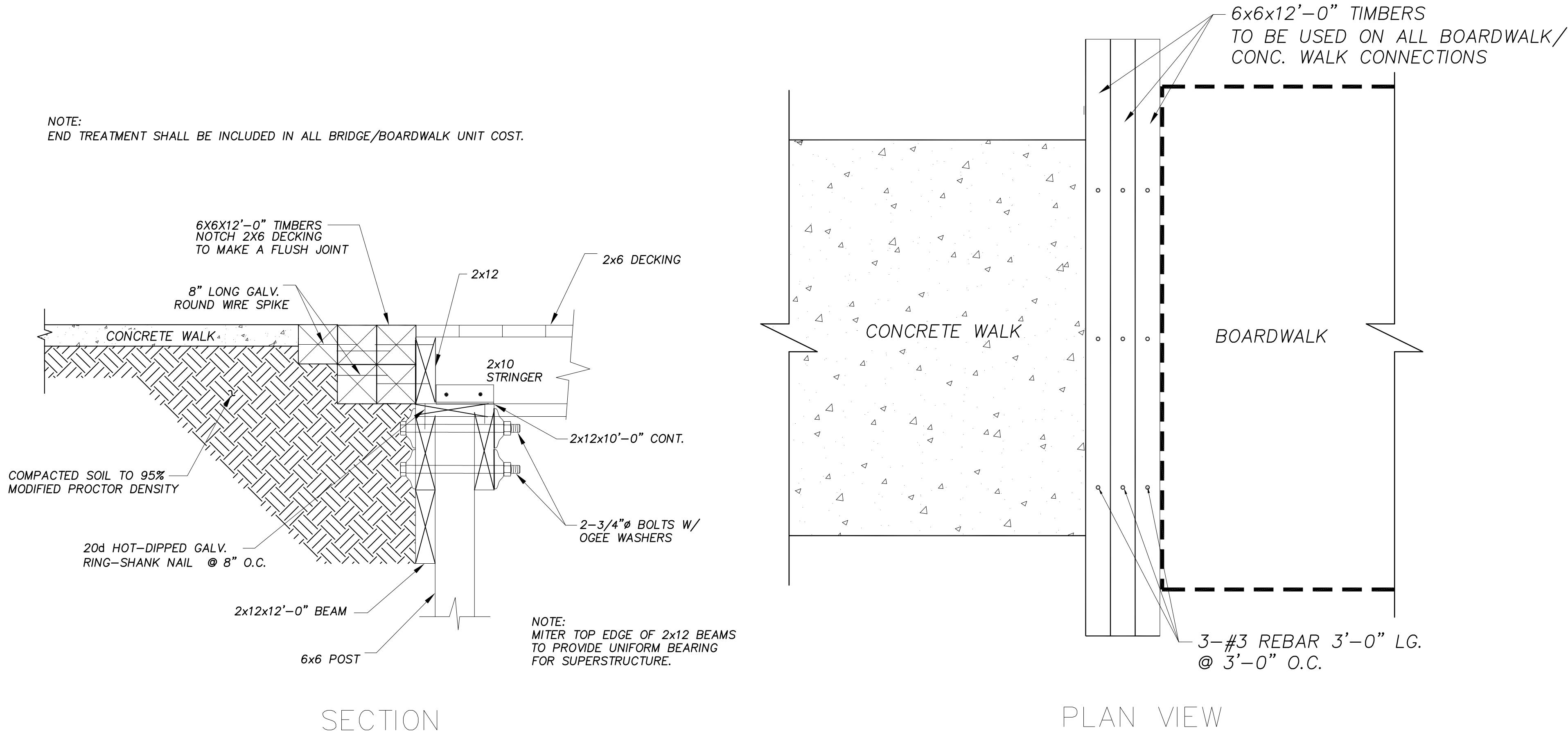
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PROJ. NO.	<u>1692A4</u>
DRAWN	<u>AMC</u>
CHECKED	<u>KBS</u>
REVISIONS	<u> </u>
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SALUDA RIVERWALK PH I
A COMPONENT OF THE
THREE RIVERS GREENWAY

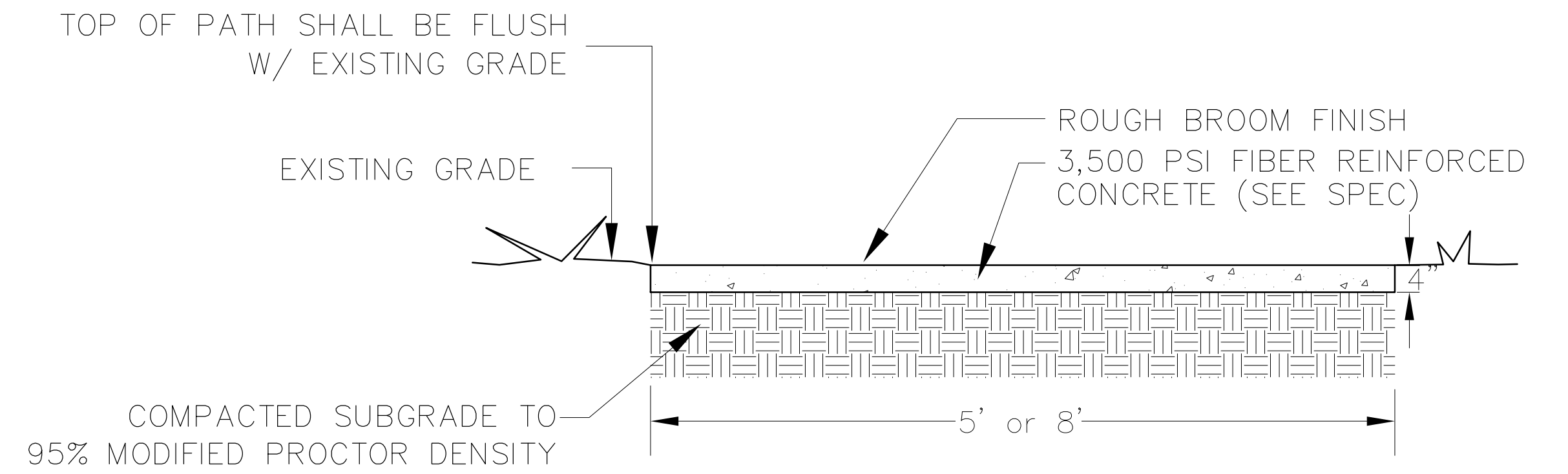


KBS
Kenneth B. Simmons Associates, LLC
landscape architecture & planning
2711 Middleburg Drive, Suite 210
Columbia, South Carolina 29204
(803) 254-3791 FAX (803) 254-3790

Sheet
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of



- NOTES:
- * THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE ACROSS THE WALK.
 - * CROSS SLOPE OF WALK SHALL NOT EXCEED 2%.
 - * ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT COVERED BY THE WALK SHALL BE PLACED IN CENTIPEDE HYDROSEED OR NATURAL MULCH ACCORDING TO ADJACENT TREATMENT AT NO ADDITIONAL COST TO THE OWNER.
 - * CLEARING LIMITS FOR PATH SHALL NOT EXCEED 10' IN WIDTH.
 - * TOP OF PATH SHALL BE FLUSH W/ EXISTING GRADE.
 - * EXISTING VEGETATION OUTSIDE OF CLEARING LIMITS SHALL NOT BE DISTURBED.



2
DT-3

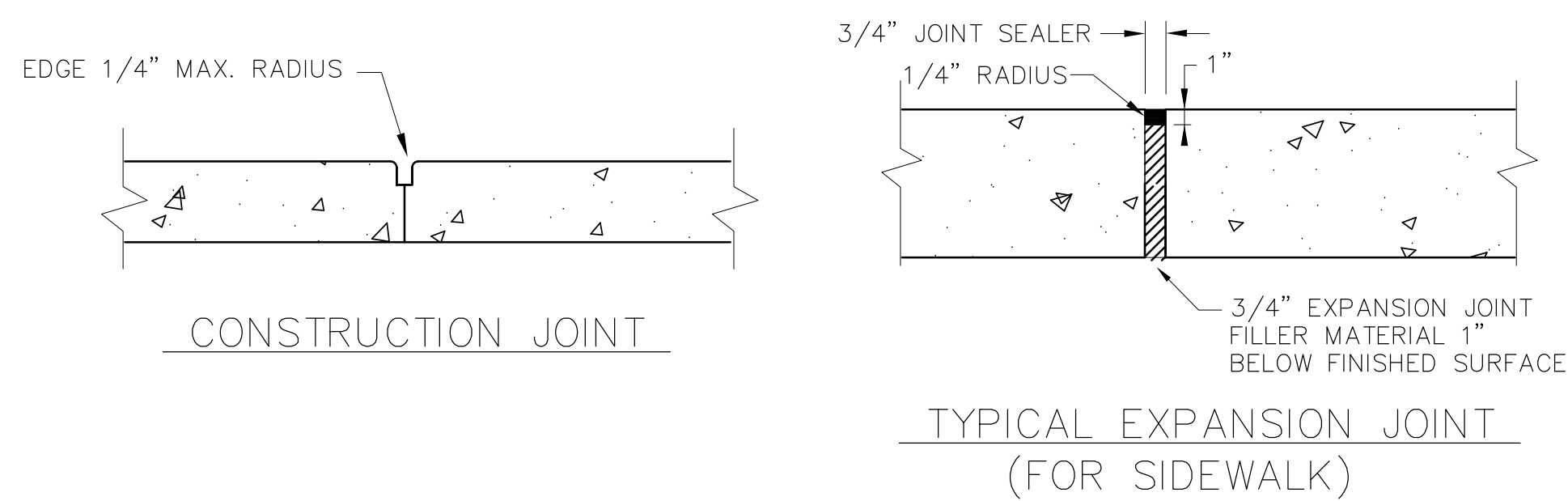
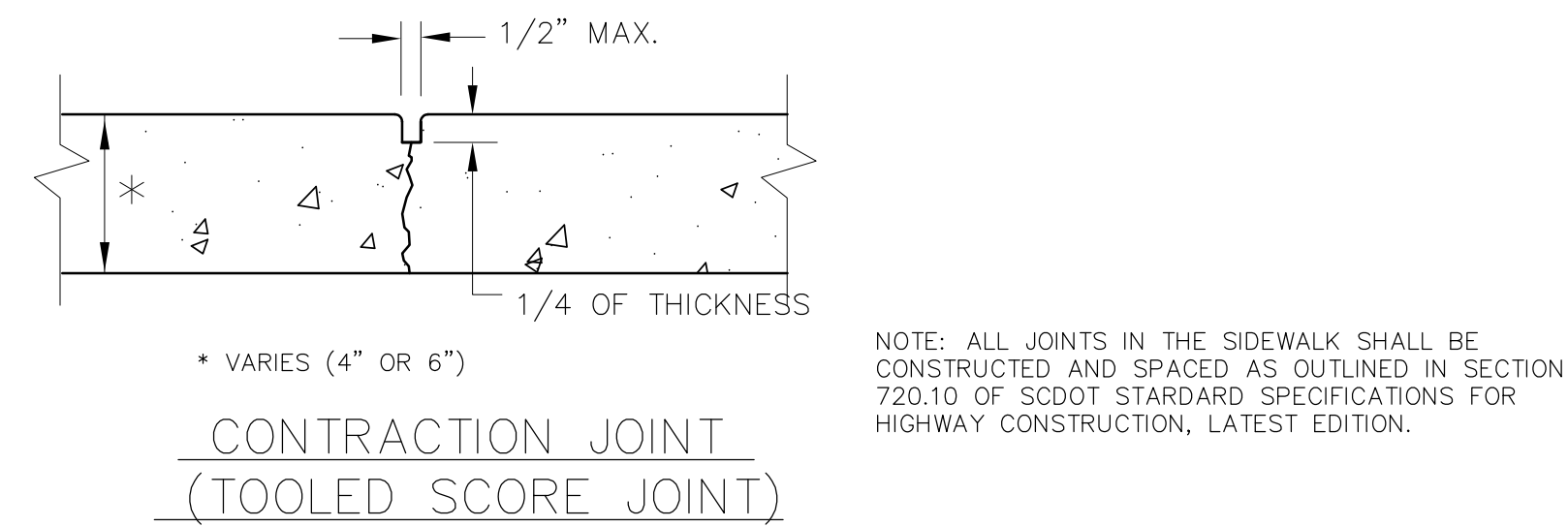
TYPICAL 5' OR 8' CONCRETE PATH & HANDICAP PARKING (HANDICAP PARKING 6" THICK) - SECTION

NOT TO SCALE

1
DT-3

END TREATMENT AT PATH AND BOARDWALK

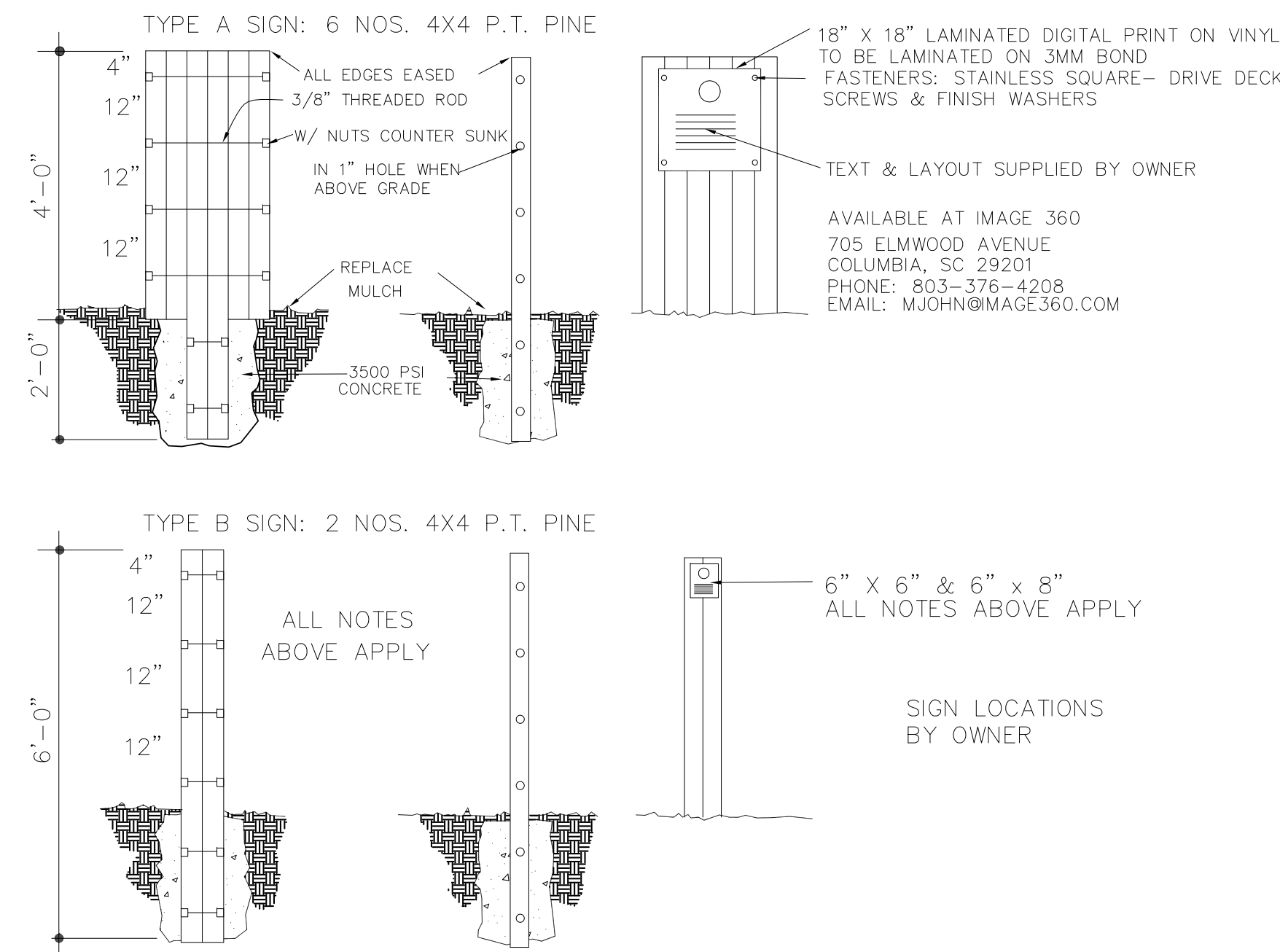
NOT TO SCALE



3
DT-3

CONCRETE JOINT DETAILS

NOT TO SCALE



4
DT-3

TYPE A & B SIGNS

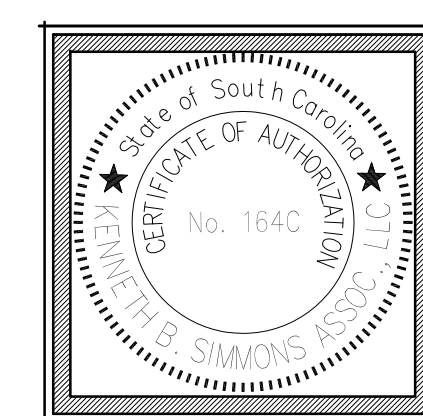
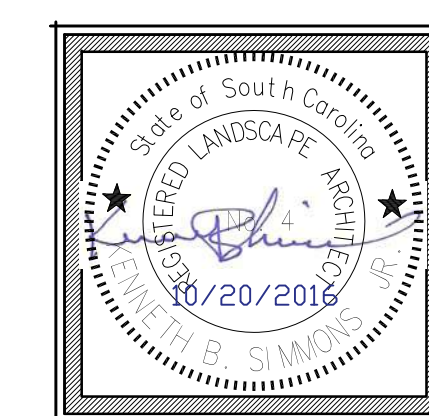
SCALE: 1/2" = 1'

*NOTE: DETAIL AUTHORIZED FOR USE AND PROVIDED BY OZZIE NAGLER

PARK FURNITURE/SIGNAGE NOTES:

- 1) Bench by "Playworld": #ZZXX9010, in-ground, 6' pressure treated pine (with back)
- 2) Picnic table, in ground by "Kay Park Recreation Corp": item# WS6SPTCRP-IG, 6' without back, pressure treated pine
- 3) Litter receptacle by "Playworld": ZZXX8020, in-ground, pressure treated pine
- 4) Pre-approved substitutions available from the Stuyck Company, phone: 803-260-5756
- 5) Unit prices to include assembled and installed in concrete per manufacturers instructions for in-ground beside path/walk as directed by owner.
- 6) See Bid Form for site furniture bid alternates.
- 7) Interpretive panel to be purchased and installed.
The contractor shall contact Mike Dawson at the River Alliance for suppliers and prices: (803) 765-2200
The contractor is to install with 2- 4"x4"x8' post 3' in the ground with concrete similar to detail:

DETAILS

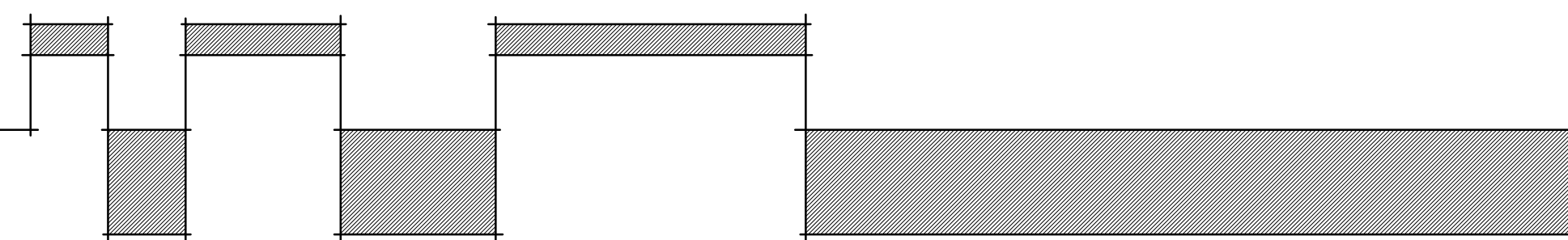


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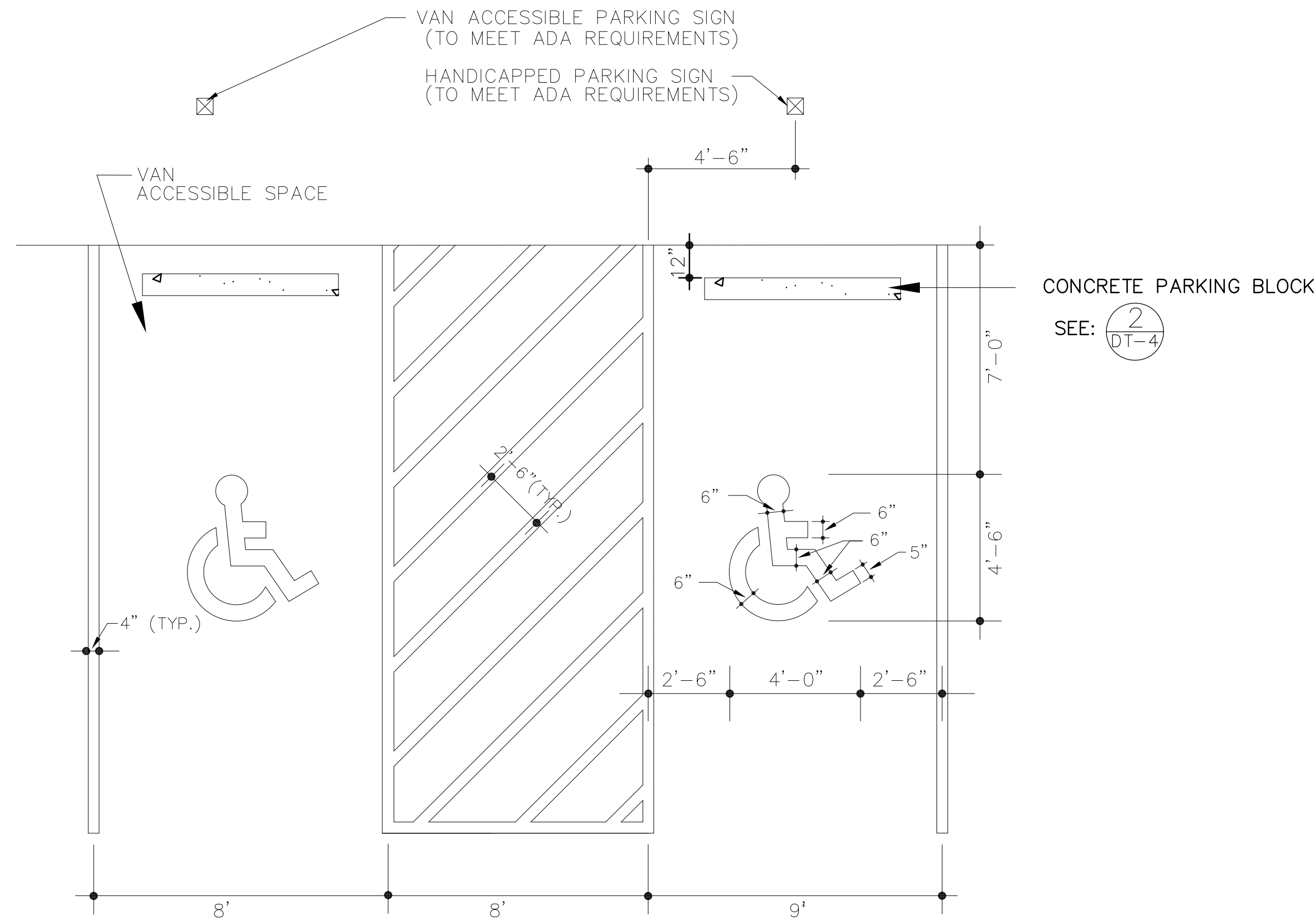
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of 4

DATE	9/10/15
PROJ. NO.	169244
DRAWN	AMC
CHECKED	KBS
REVISIONS	

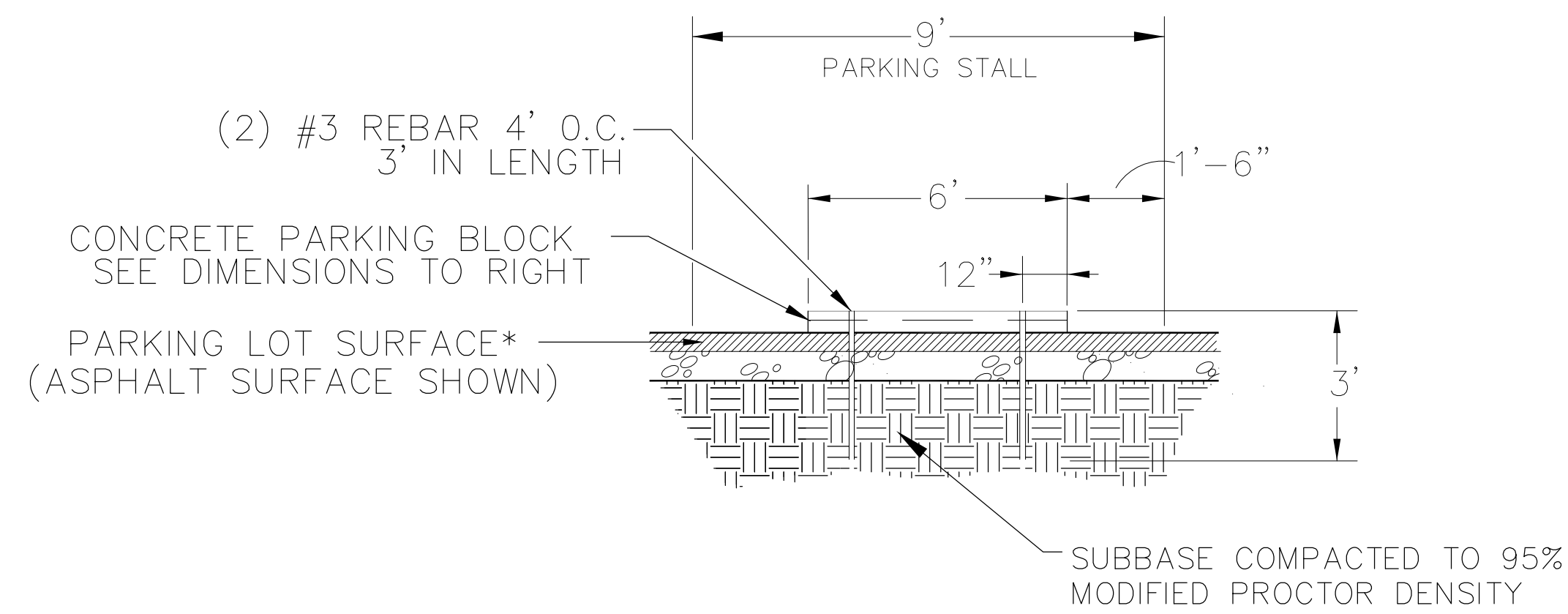
SALUDA RIVERWALK PH I
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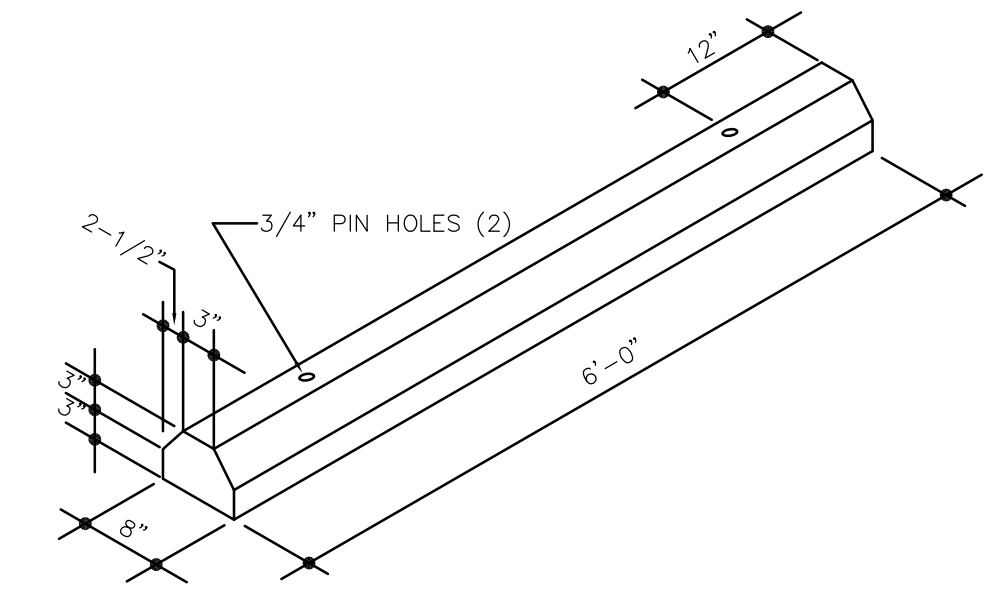
*NOTE: PARKING LOT SURFACE VARIES REFER TO LAYOUT SHEET FOR SURFACE THAT APPLIES.
PARKING BLOCKS SHALL BE INCLUDED IN THE PARKING LOT LUMP SUM (LS) COST.



1 ASPHALT OR CONCRETE
HANDICAP PARKING LAYOUT
DT-4 NOT TO SCALE

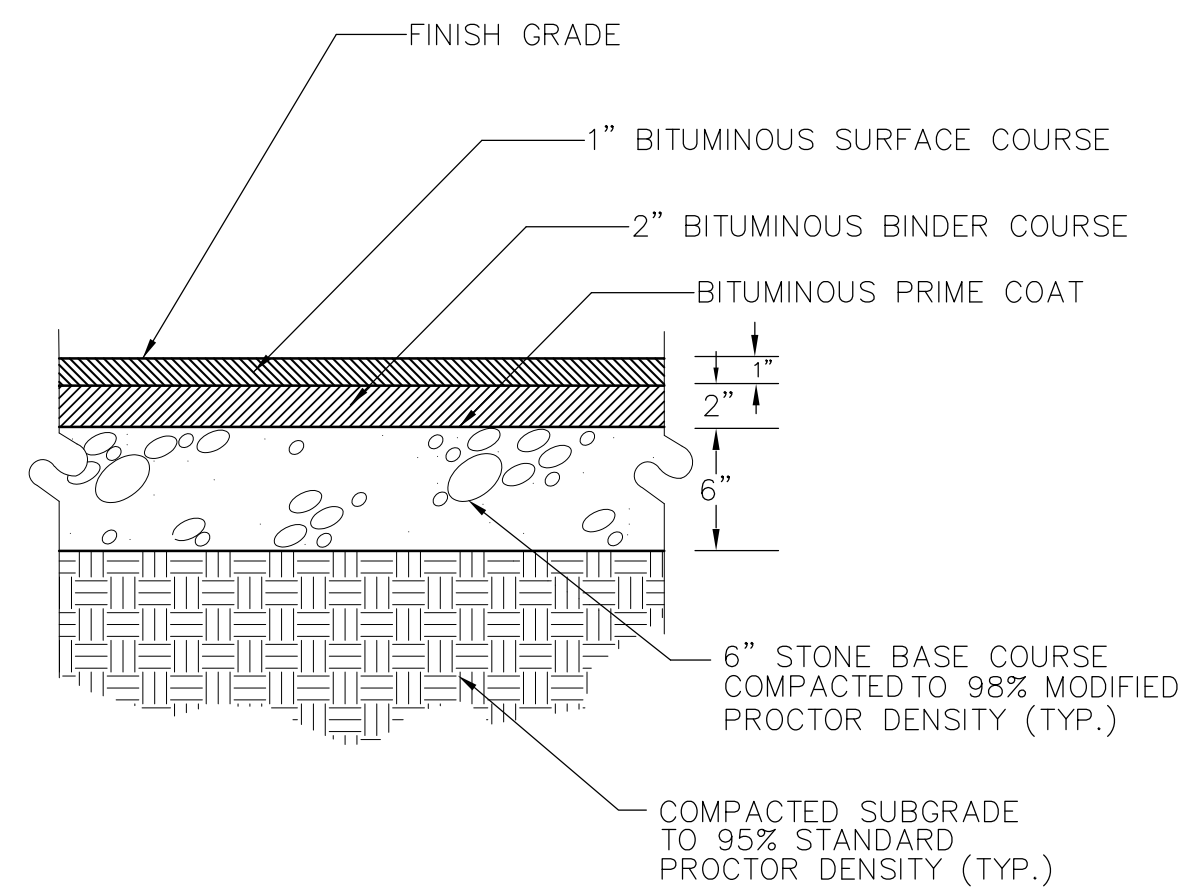


2 PARKING BLOCK
DT-4 NOT TO SCALE

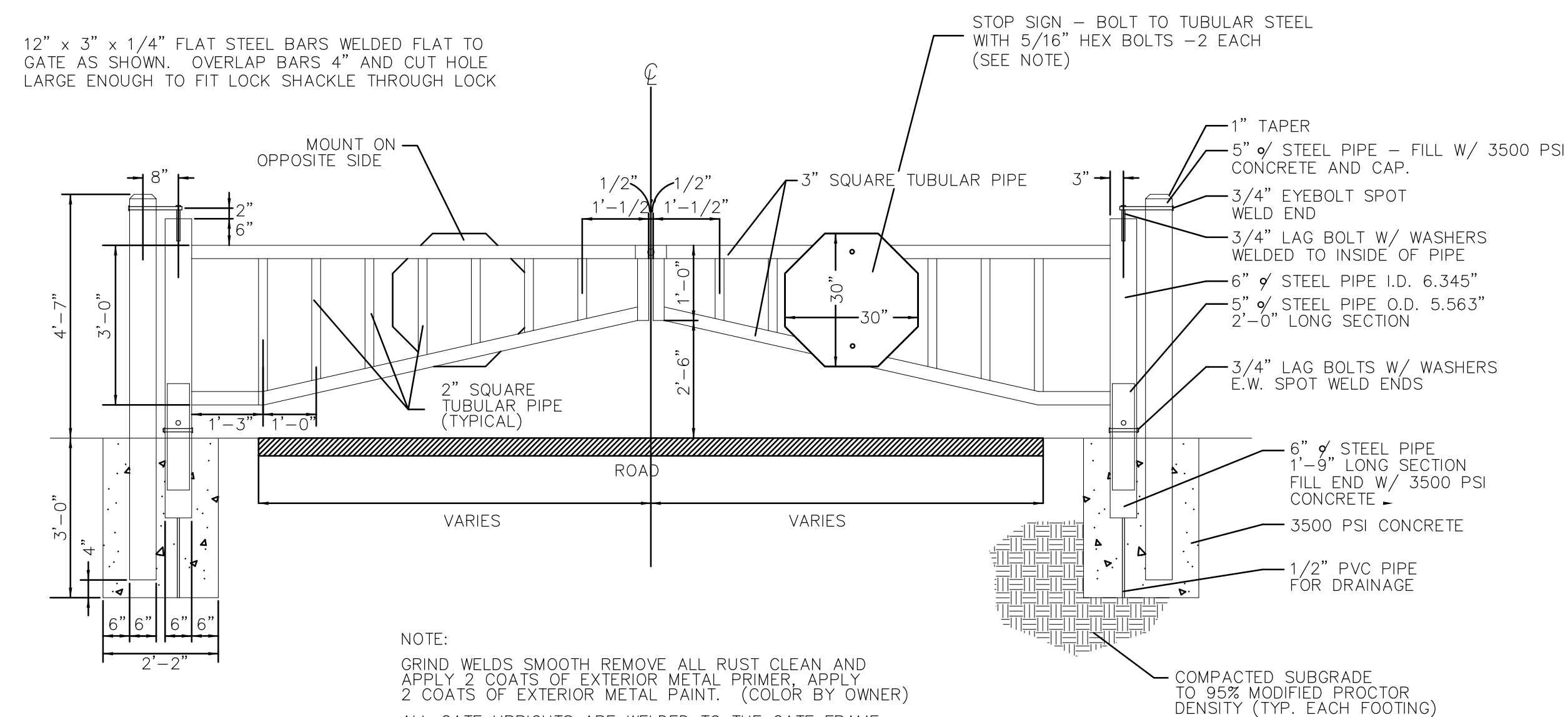


NOTE: FOR ALL ASPHALT PAVEMENT LOCATED IN THE SCDOT RIGHT OF WAY THE FOLLOWING SECTION SHALL BE USED.

- 2" Type B Surface Course
- 4" Type B Intermediate Binder Course
- 6" Type A Black Base Course
- Subgrade



3 ASPHALT PAVING
DT-4 NOT TO SCALE



NOTE:
GRIND WELDS SMOOTH REMOVE ALL RUST CLEAN AND
APPLY 2 COATS OF EXTERIOR METAL PRIMER. APPLY
2 COATS OF EXTERIOR METAL PAINT. (COLOR BY OWNER)
ALL GATE UPRIGHTS ARE WELDED TO THE GATE FRAME;
GATE SWINGS FREELY ON HINGE AND PIVOT POINTS.
ALL PIPES ARE TO BE ASTM A-53 STEEL PIPE
ALL BOLTS ARE TO BE HOT DIPPED GALVANIZED
STOP SIGNS TO BE PROVIDED BY CONTRACTOR.

4 ENTRANCE SECURITY GATE
DT-4 NOT TO SCALE

DETAILS

DATE 8/5/2015

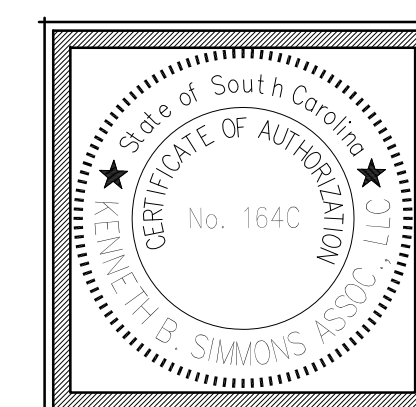
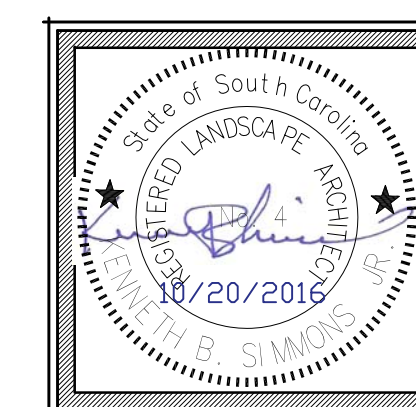
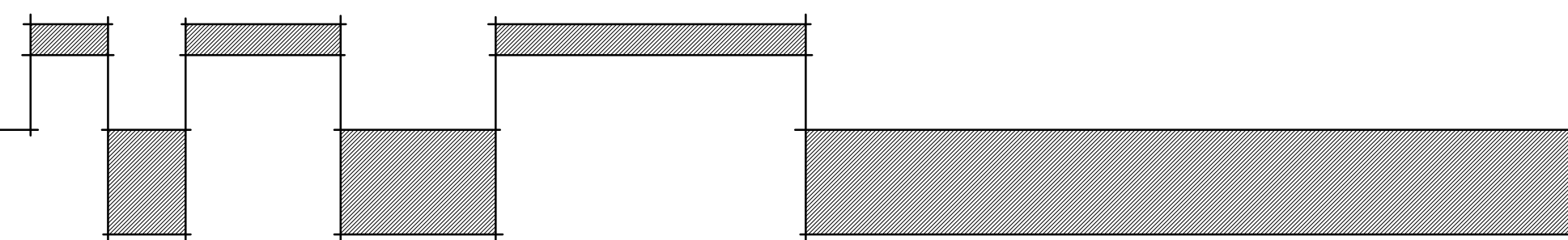
PROJ. NO. 1692A4

DRAWN AMC

CHECKED _____

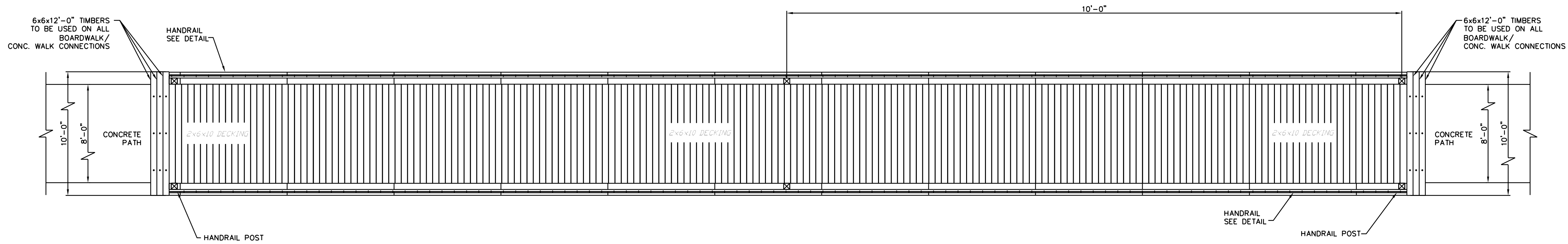
REVISIONS _____

SALUDA RIVERWALK PH I
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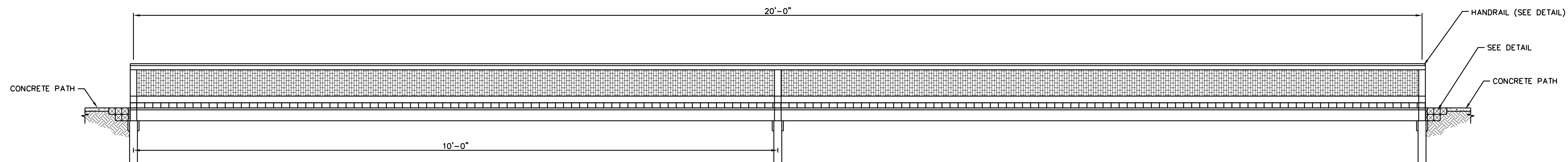
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of 4

AREA "C"
BRIDGE SITE #6



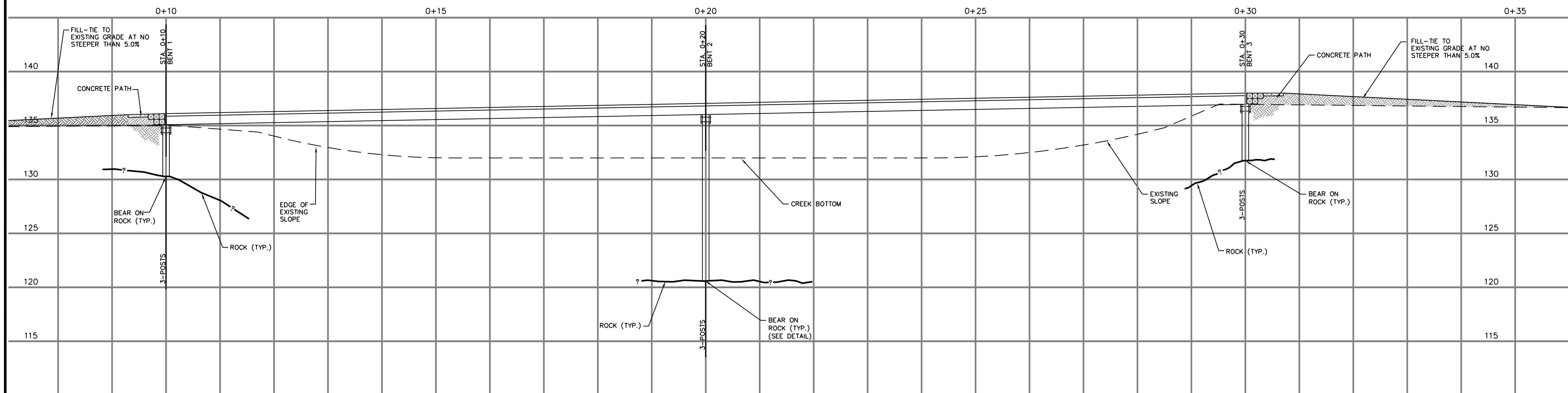
BRIDGE PLAN VIEW

SCALE: 1" = 1' HORIZ.
1" = 5' VERT.



BRIDGE HANDRAIL ELEVATION

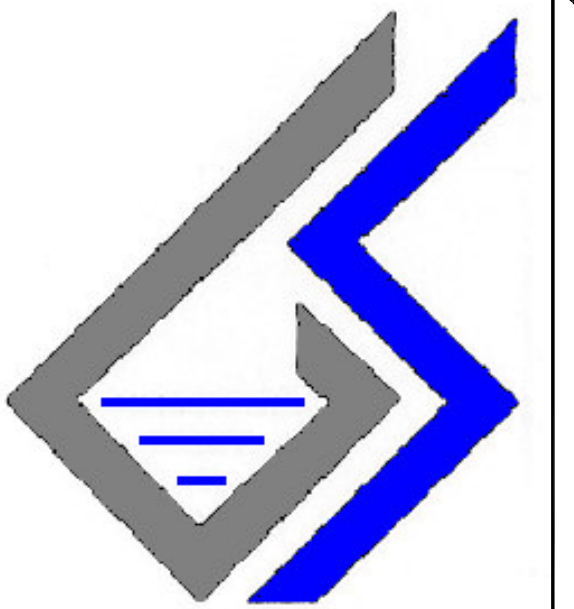
SCALE: 1" = 1' HORIZ.
1" = 5' VERT.



BRIDGE PROFILE

SCALE: 1" = 1' HORIZ.
1" = 5' VERT.

NOTE: ON LONG RUNS OF BRIDGES/BOARDWALKS AND RAMPS
CHANGES IN ALIGNMENT (i.e. BENDS) MAY BE NECESSARY TO AVOID
MAJOR VEGETATION AND/OR OTHER LAND FEATURES OR TO BETTER
FIT THE SITE. THOSE CHANGES ARE AT NO COST TO THE OWNER.



No.	Revision/Issue	Date
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Owner
City of Columbia c/o
Kenneth B. Simmons
& Assoc. LLC
3135 Millwood Avenue
Columbia, S.C. 29205
Phone: (803) 254-3791

Project Name and Address

Three Rivers
Greenway
Bridge Site #6

Site Located In
Columbia, South Carolina

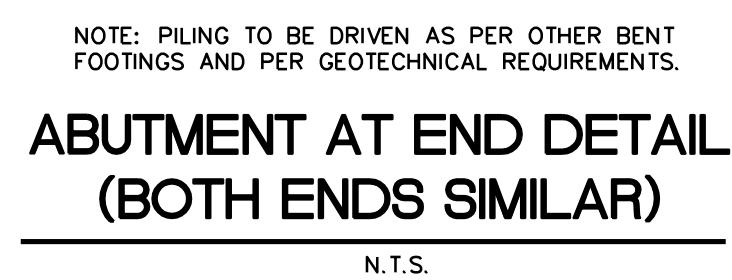
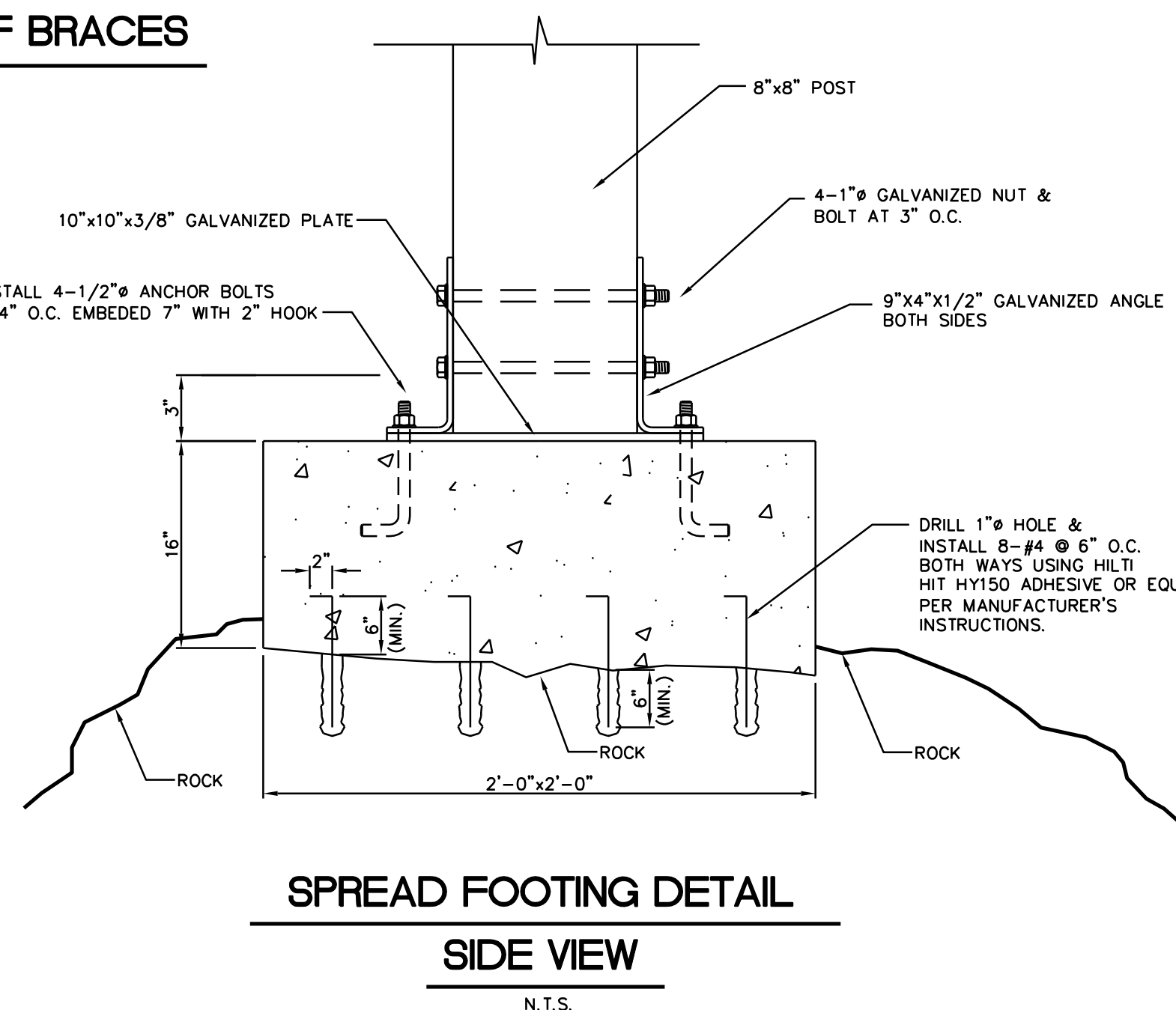
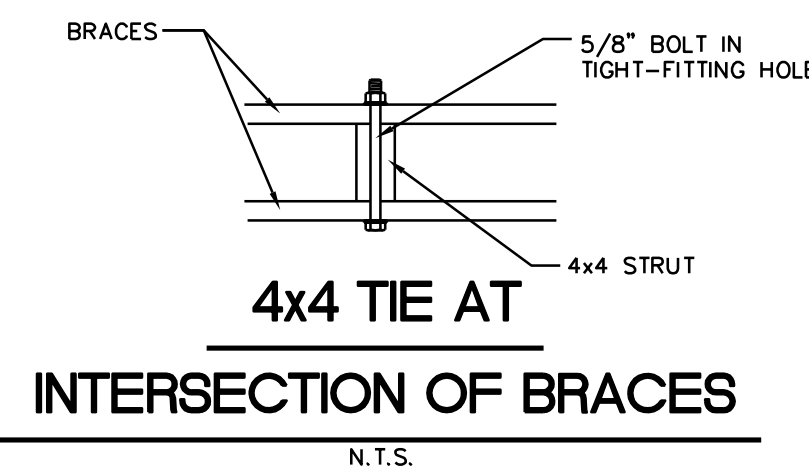
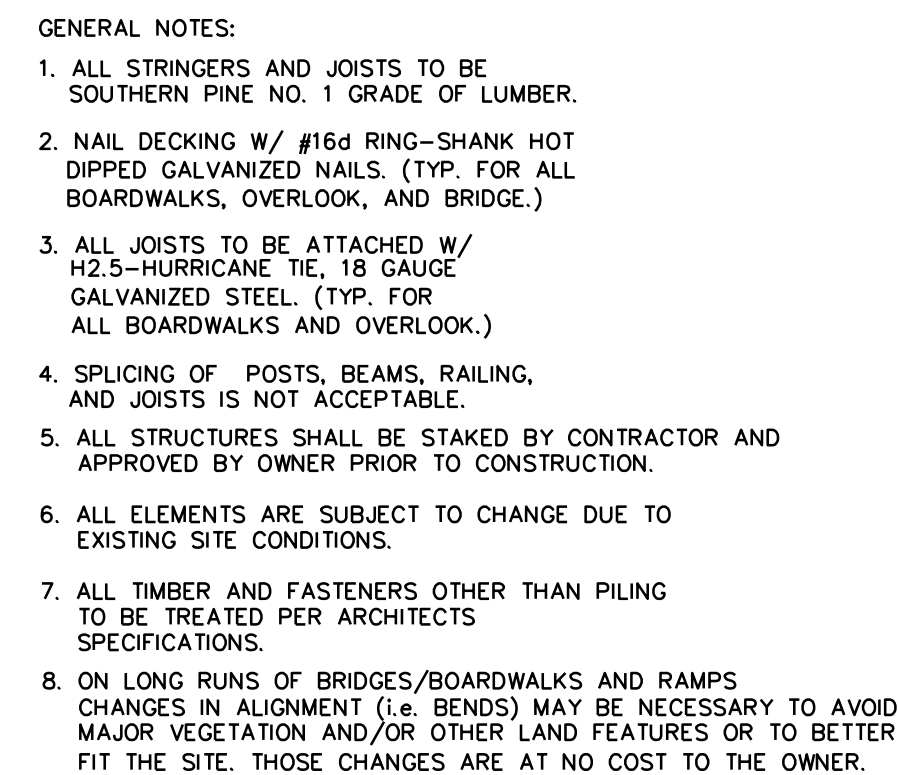
Firm Name and Address
GEO-SYSTEMS
DESIGN & TESTING,
INC.
Post Office Box 2656
W. Columbia, SC 29171
Phone: (803) 791-7528

Seal

Title

Bridge Plan,
Elevation
and
Profile

Project No. 1692a4	Sheet GS-1 or
Date 07-28-06	
Scale AS SHOWN	



TIMBER PILES:

TIMBER PILES SHALL COMPLY WITH THE REQUIREMENTS OF ASTM D25 AND D2899.

TIMBER PILING SHALL BE TREATED WITH 0.80 POUNDS PER CUBIC FOOT RETENTION OF CHROMATED COPPER ARSENATE, TYPE "B", (CCA-B) IN ACCORDANCE WITH AWWA SPECIFICATIONS C3.

ALL CUTS AND DRILLED HOLES IN TIMBER PILES SHALL BE FIELD TREATED IN ACCORDANCE WITH APPLICABLE AWWA SPECIFICATIONS.

ALL TIMBER PILES TO BE CLASS "B".

PILE CAPACITIES (SERVICE LOADS) ARE AS FOLLOWS:
VERTICAL DOWNWARD: 9 TONS
VERTICAL UPLIFT: 1 TONS
LATERAL: 1 TONS

THE MINIMUM PILE TIP DIAMETER SHALL BE 8 INCHES.

TIMBER PILES SHALL BE SEATED TO A MINIMUM PENETRATION OF 15 FEET. DEEPER PENETRATIONS MAY BE REQUIRED TO ACHIEVE THE MINIMUM ALLOWABLE BEARING CAPACITIES AS DETERMINED BY THE GEOTECHNICAL ENGINEER. DRIVE PILES ACCORDING TO THE RECOMMENDATIONS AND SPECIFICATIONS IN THE GEOTECHNICAL REPORT.

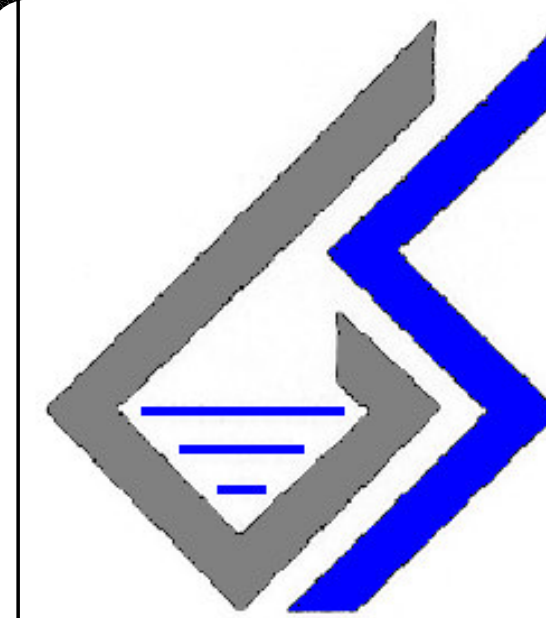
PILES SHOULD BE AUGURED OR JETTED THE INITIAL SIX (6) FEET TO PENETRATE GRAVEL OR ROCK SEAMS. ANY PILINGS UNABLE TO PENETRATE AT LEAST SIX (6) FEET DEPTH DUE TO ROCK MUST BEAR INTO ROCK AT LEAST 3 INCHES VIA JACKHAMMER ROCK SURFACE. INSERT ANCHORS, THEN AIR BLAST CLEAN SURFACE, APPLY BONDING AGENT (NON-SHRINK GROUT 4,000 psi) PER SPREAD FOOTING DETAIL AND BACK FILL WITH 3,000 psi CONCRETE AS ILLUSTRATED ON FOOTING DETAIL. (SEE ROCK FOUNDATION DETAIL). SUITABLE ROCK IS DEFINED AS CONTINUOUS SOLID FORMATION ON AT LEAST 100 ft³ BOULDER WITH LEAST SIDE DIMENSIONS OF SIX (6) FEET.

PILES ENCOUNTERING ROCK BETWEEN 6 TO 13 FEET SHOULD BE AUGERED TO 24"Ø HOLE TO THE ROCK AND SEAT PILE INTO FRESH 3,000 psi CONCRETE WITH 60 PENNY NAILS @ 12" O.C. PLACED ALONG CONCRETED LENGTH OF PILE.

ALL STRUCTURAL STEEL SHALL BE A-36 AND ALL METAL BOLTS, SCREWS, CLIPS, NAILS, STRUCTURAL STEEL, ETC. SHALL BE TRIPLE HOT DIPPED GALVANIZED.

OTHER THAN PILING, ALL DECKING, BRACING, RAILING, ETC. WOOD
TREATMENT PER THE ARCHITECTS SPECIFICATIONS.

NOTE: ON LONG RUNS OF BRIDGES/BOARDWALKS
AND RAMPS CHANGES IN ALIGNMENT (i.e. BENDS)
MAY BE NECESSARY TO AVOID MAJOR VEGETATION
AND/OR OTHER LAND FEATURES OR TO BETTER
FIT THE SITE. THOSE CHANGES ARE AT NO COST
TO THE OWNER.



No.	Revision/Issue	Date
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Owner
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Kenneth B. Simmons
& Assoc. LLC
3135 Millwood Avenue
Columbia, S.C. 29205
Phone: (803) 254-3791

Project Name and Address

Three Rivers
Greenway
Bridge Site #6

Site Located In
Columbia, South Carolina

Firm Name and Address

**GEO-SYSTEMS
DESIGN & TESTING,
INC.**

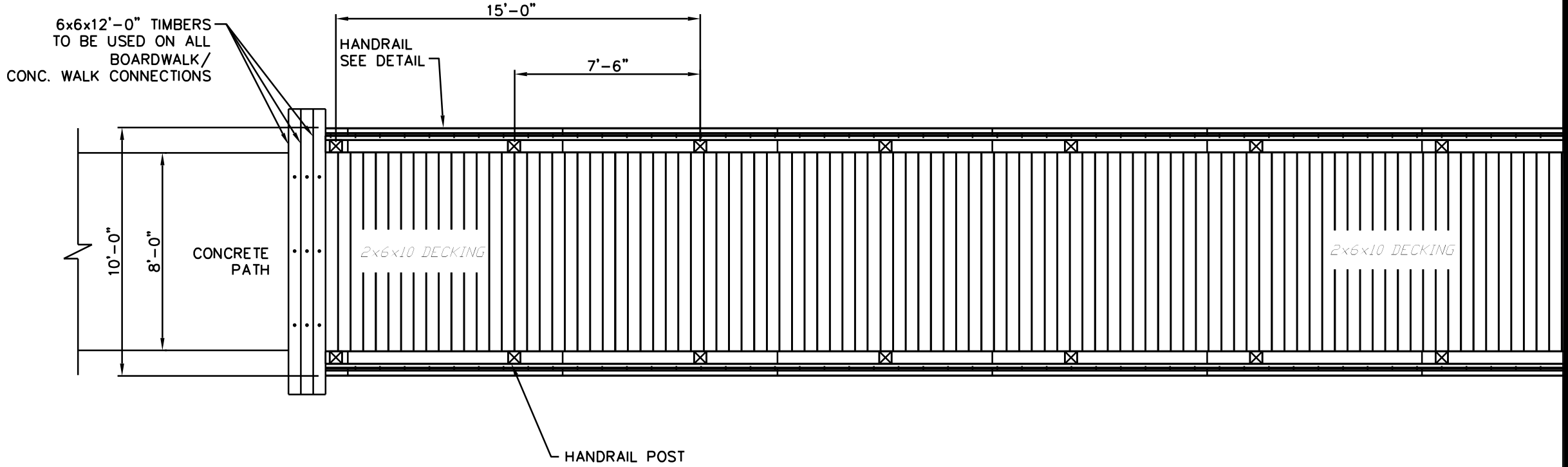
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Seol

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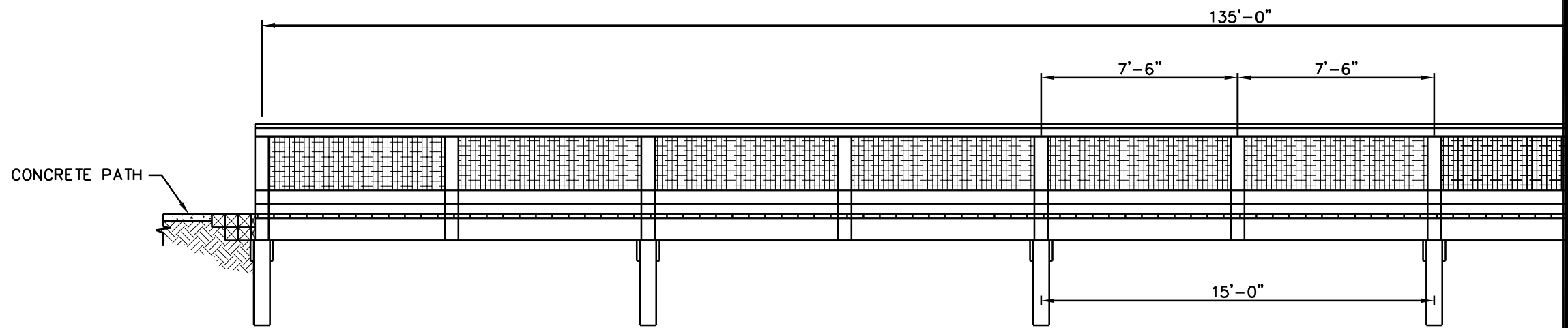
Project	No. 1692a4	Sheet GS-2
Date	07-28-06	
Scale	AS SHOWN	

AREA "C"
8' BRIDGE/BOARDWALK #7



BRIDGE PLAN VIEW

SCALE: 1" = 5'

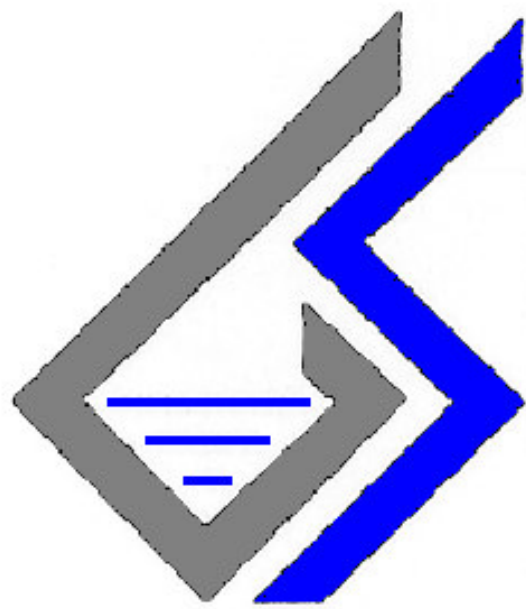


BRIDGE HANDRAIL ELEVATION

SCALE: 1" = 5'

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MATCH LINE STA. 1+30
SEE SHEET NO. GS-4



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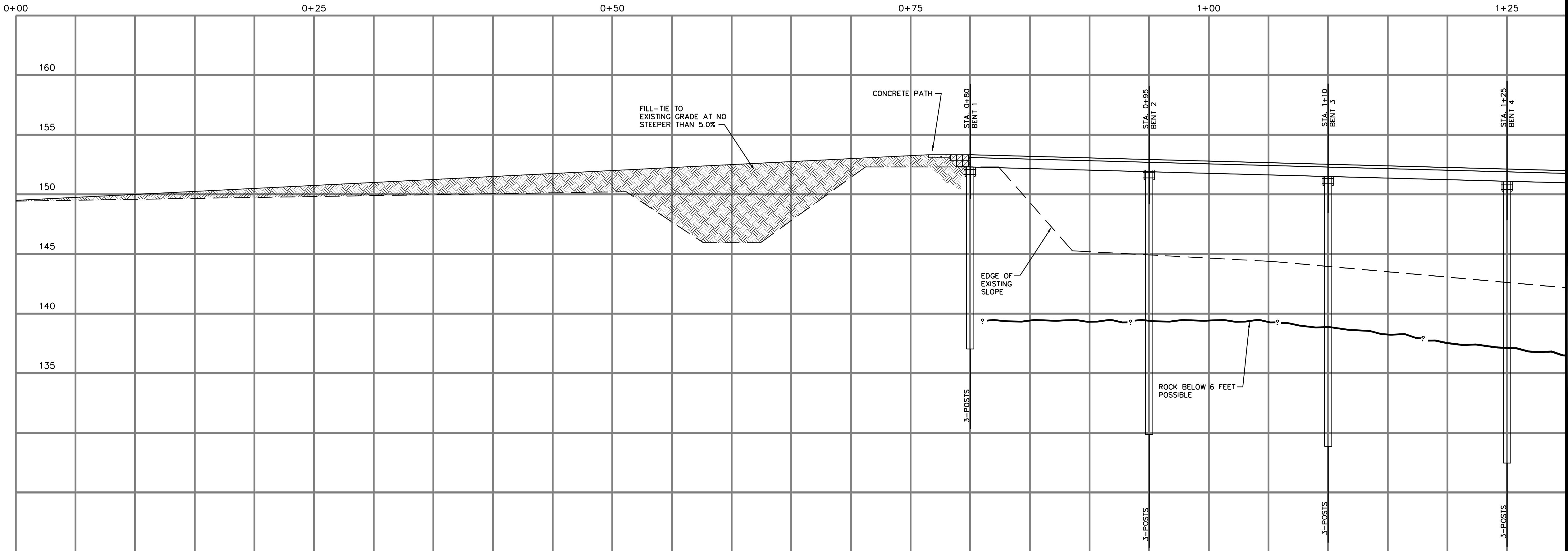
Project Name and Address
**Three Rivers
Greenway
Bridge/Boardwalk #7**
Site Located In
Columbia, South Carolina

Firm Name and Address
**GEO-SYSTEMS
DESIGN & TESTING,
INC.**
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W. Columbia, SC 29171
Phone: (803) 791-7528

Seal

Title
**Bridge Plan,
Elevation
and
Profile**

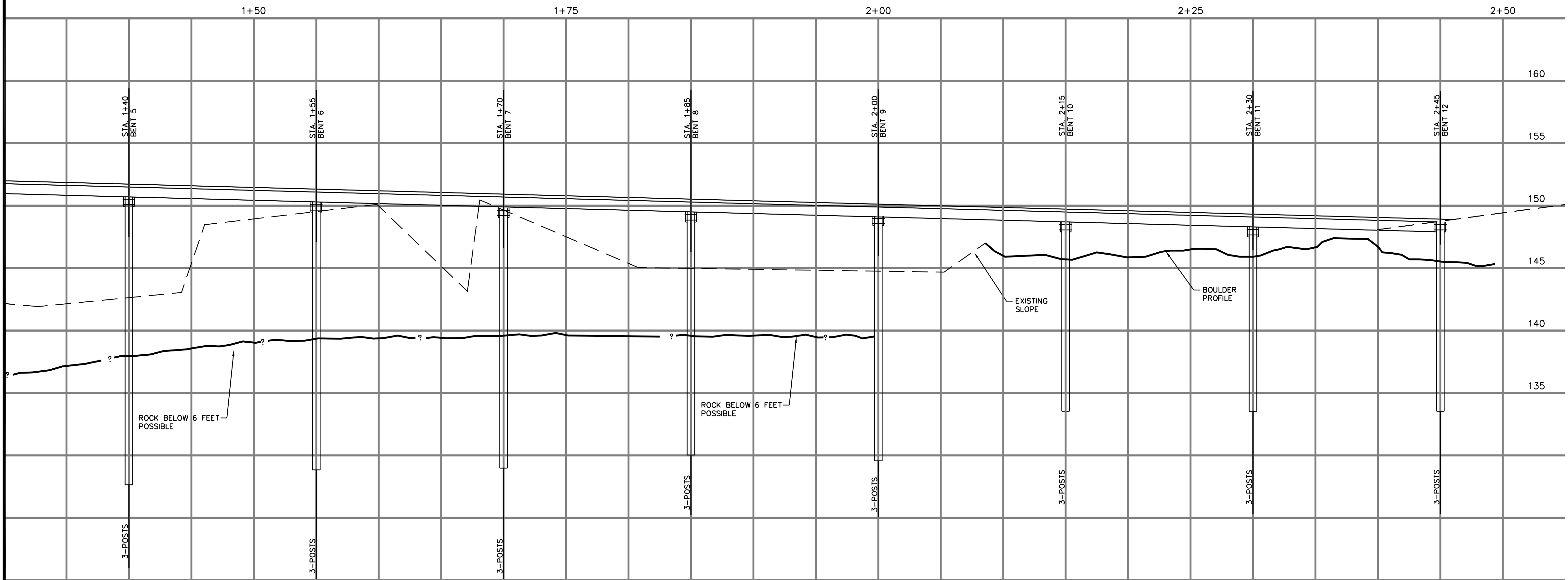
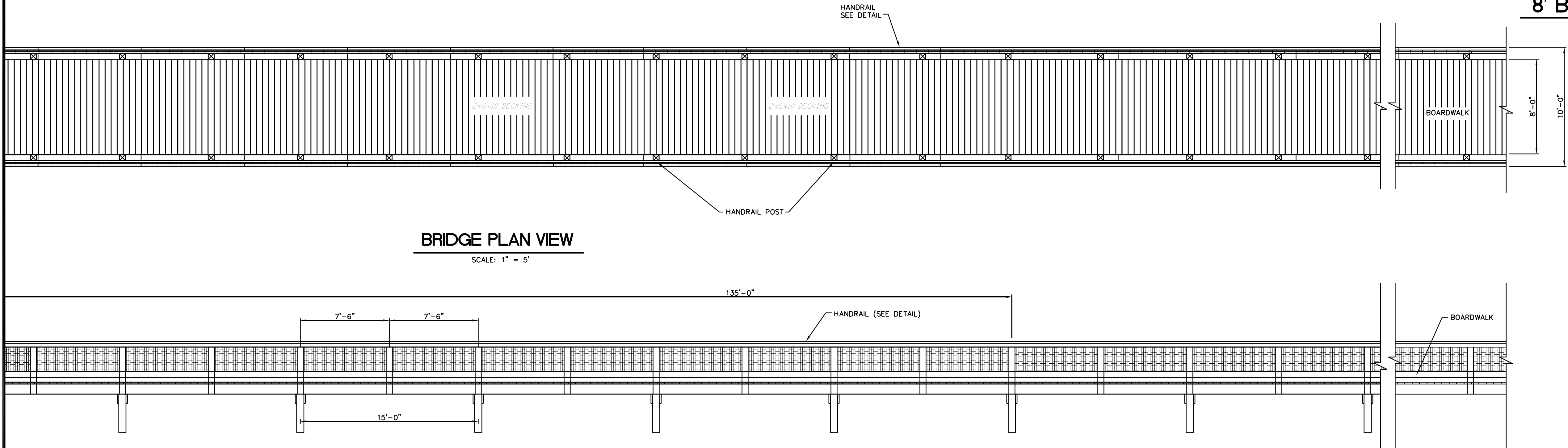
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Date 07-28-06	or
Scale AS SHOWN	



BRIDGE PROFILE

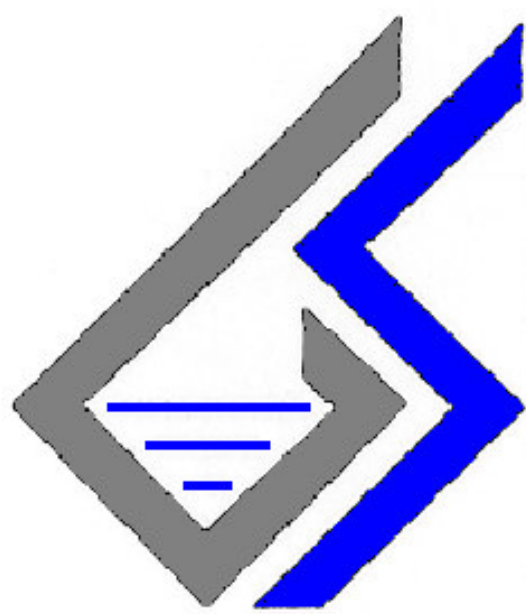
SCALE: 1" = 5' HORIZ.
1" = 5' VERT.

AREA "C"
8' BRIDGE/BOARDWALK #7



BRIDGE PROFILE
SCALE: 1" = 5' HORIZ.
1" = 5' VERT.

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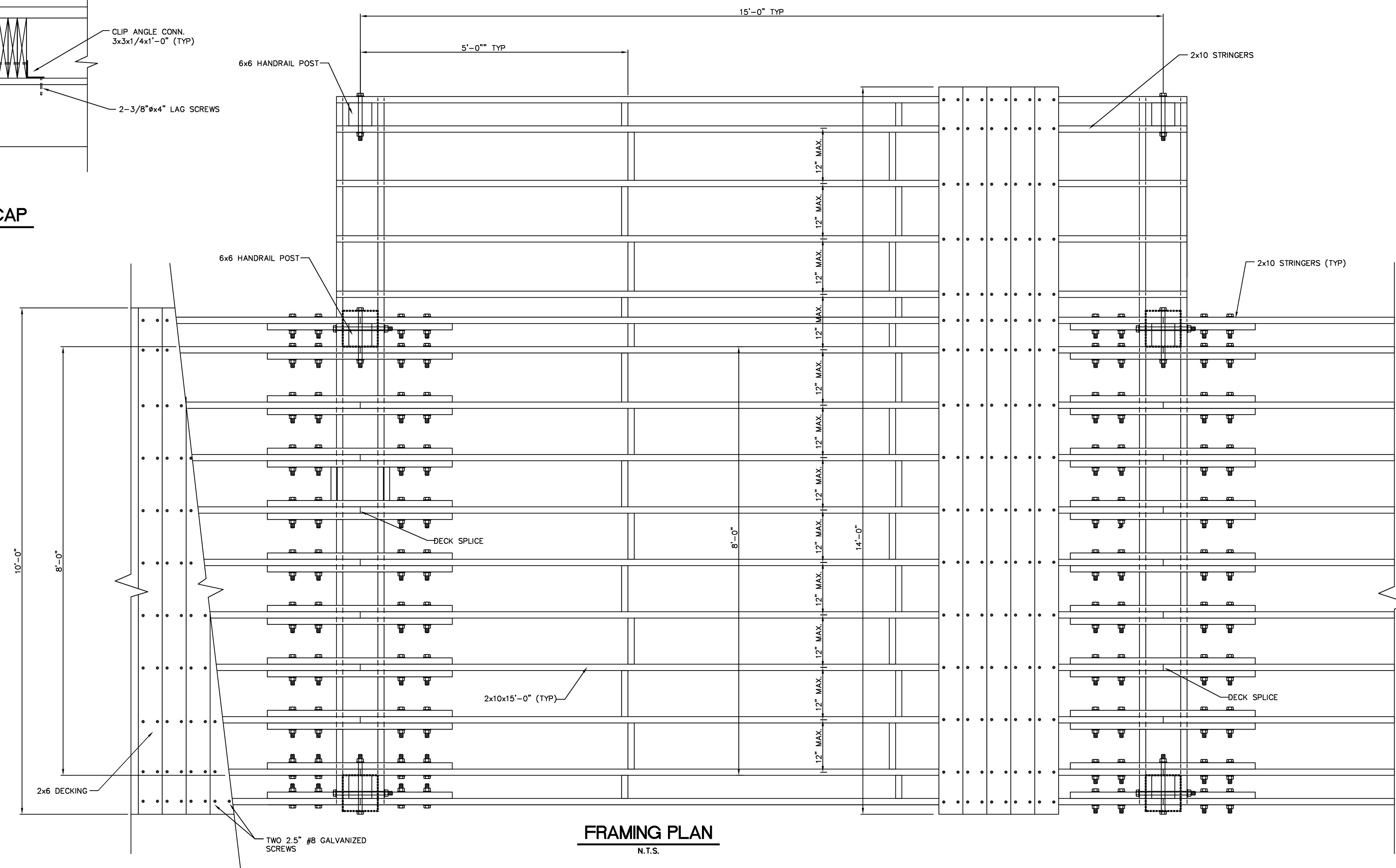
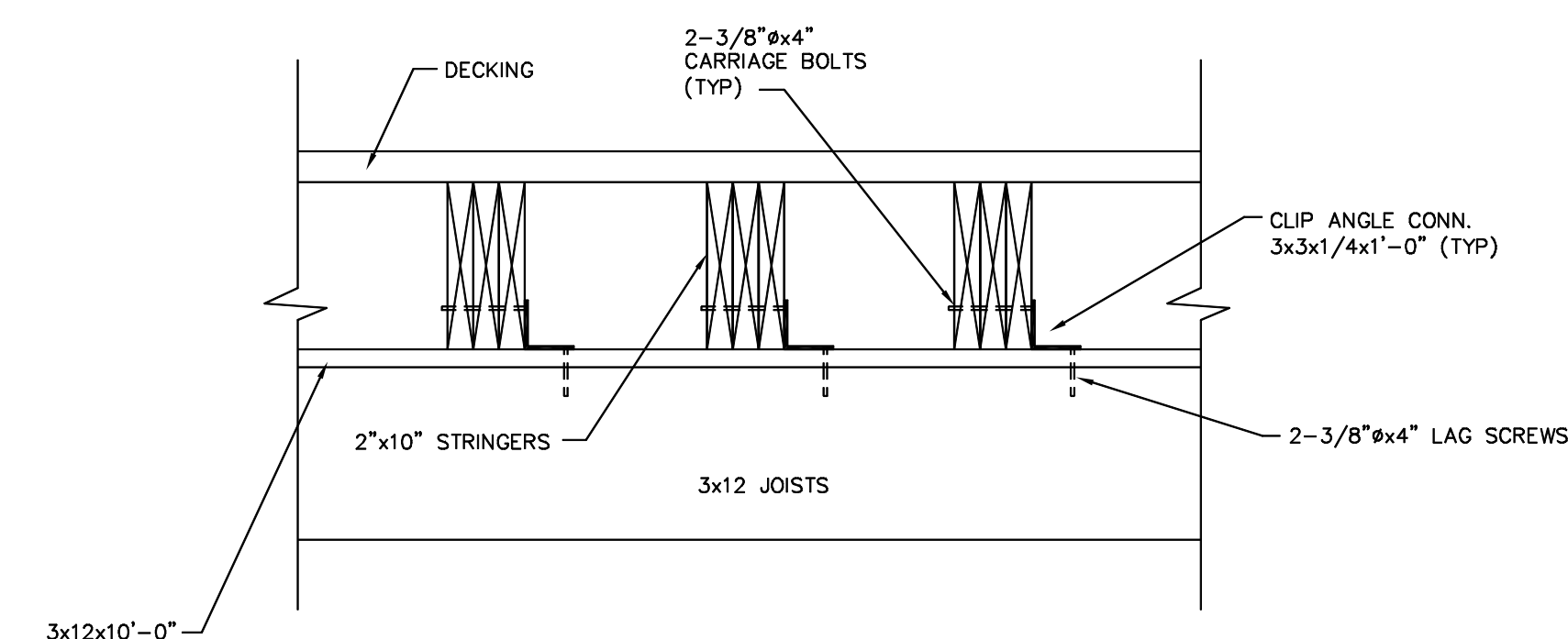
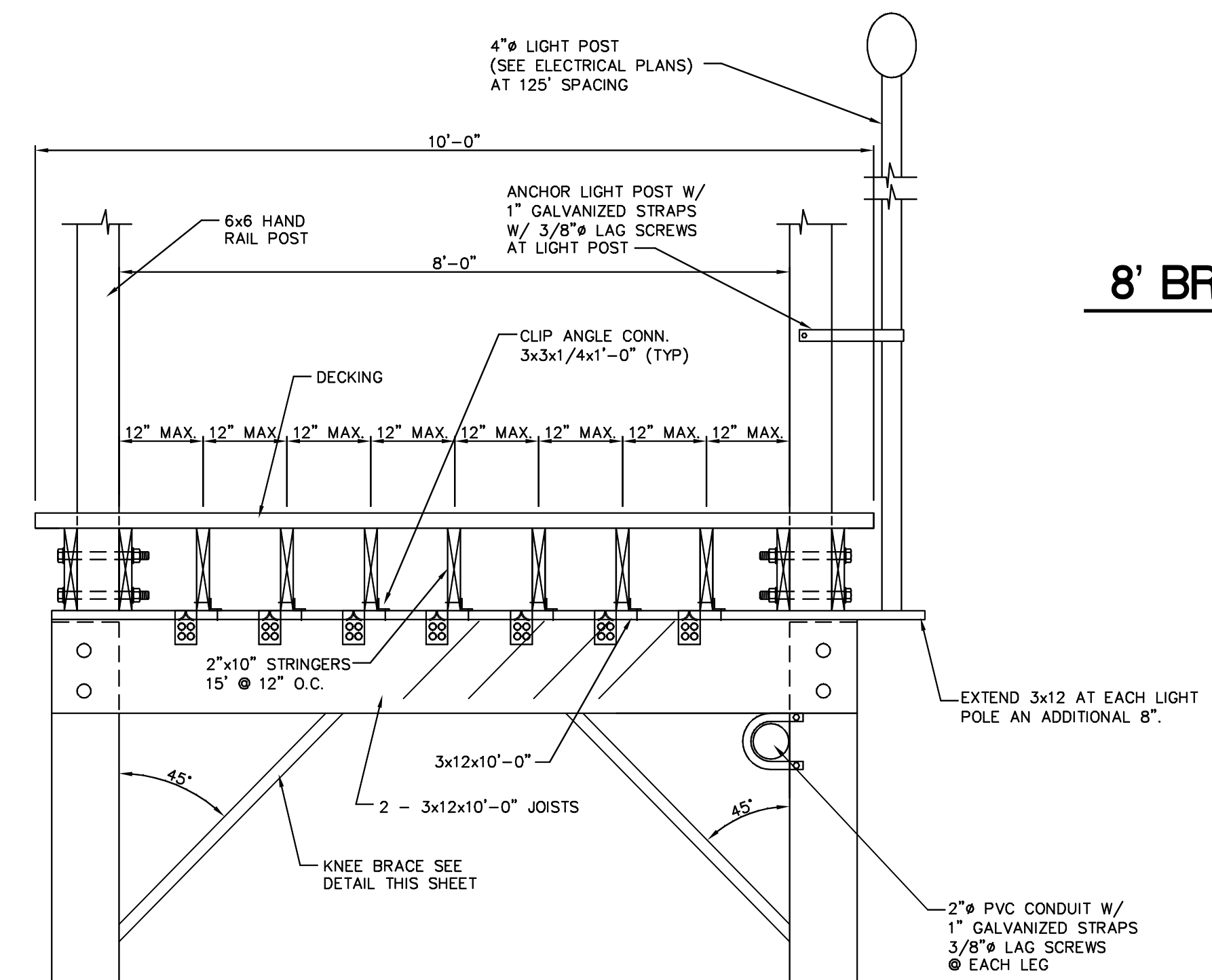
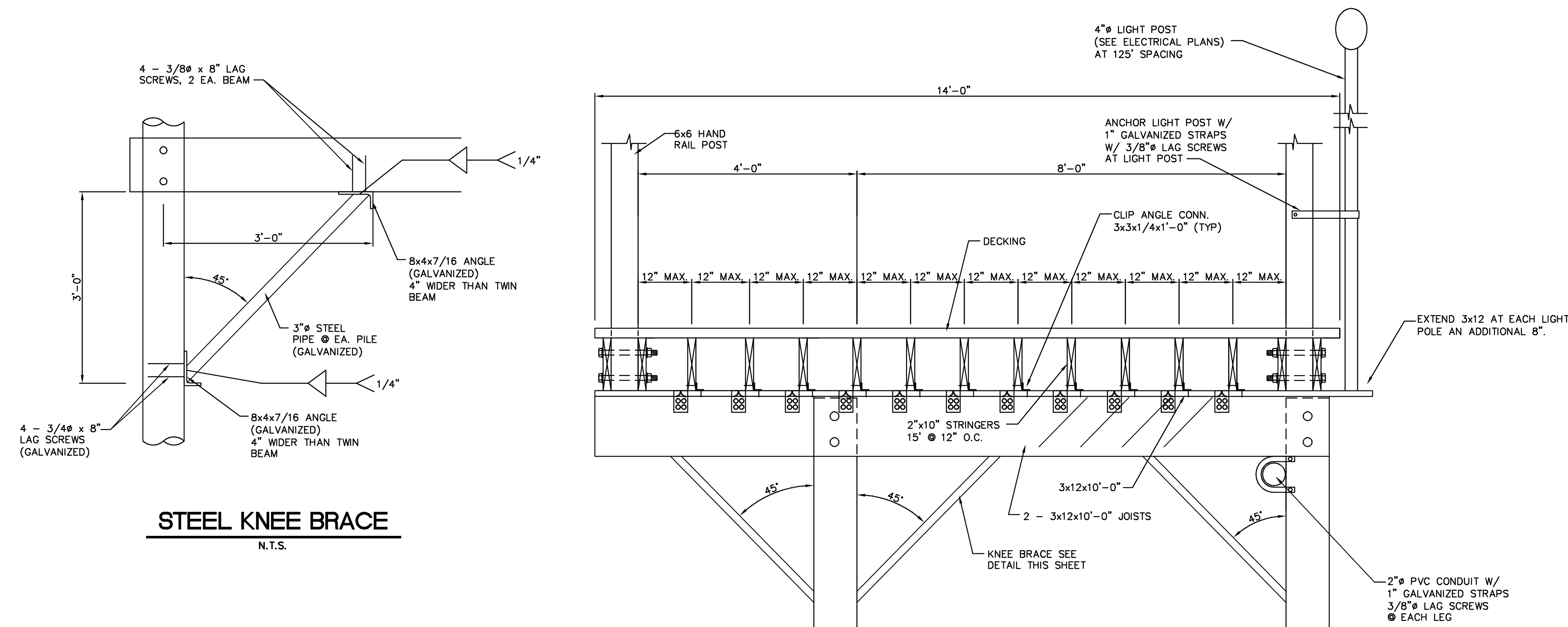
Project Name and Address
**Three Rivers
Greenway
Bridge/Boardwalk #7**
Site Located In
Columbia, South Carolina

Firm Name and Address
**GEO-SYSTEMS
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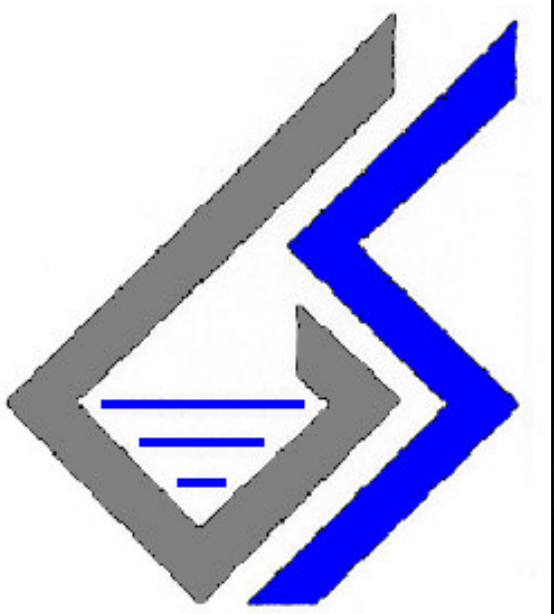
Seal

Title
**Bridge Plan,
Elevation
and
Profile**

Project No. 1692a4	Sheet GS-4
Date 07-28-06	Scale AS SHOWN or



AREA "C"
8' BRIDGE/BOARDWALK #7



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& Assoc. LLC
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Columbia, S.C. 29205
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Project Name and Address

Three Rivers
Greenway
Bridge/Boardwalk #7

Site Located In
Columbia, South Carolina

Firm Name and Address

**GEO-SYSTEMS
DESIGN & TESTING,
INC.**

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Phone: (803) 791-7528

Seor

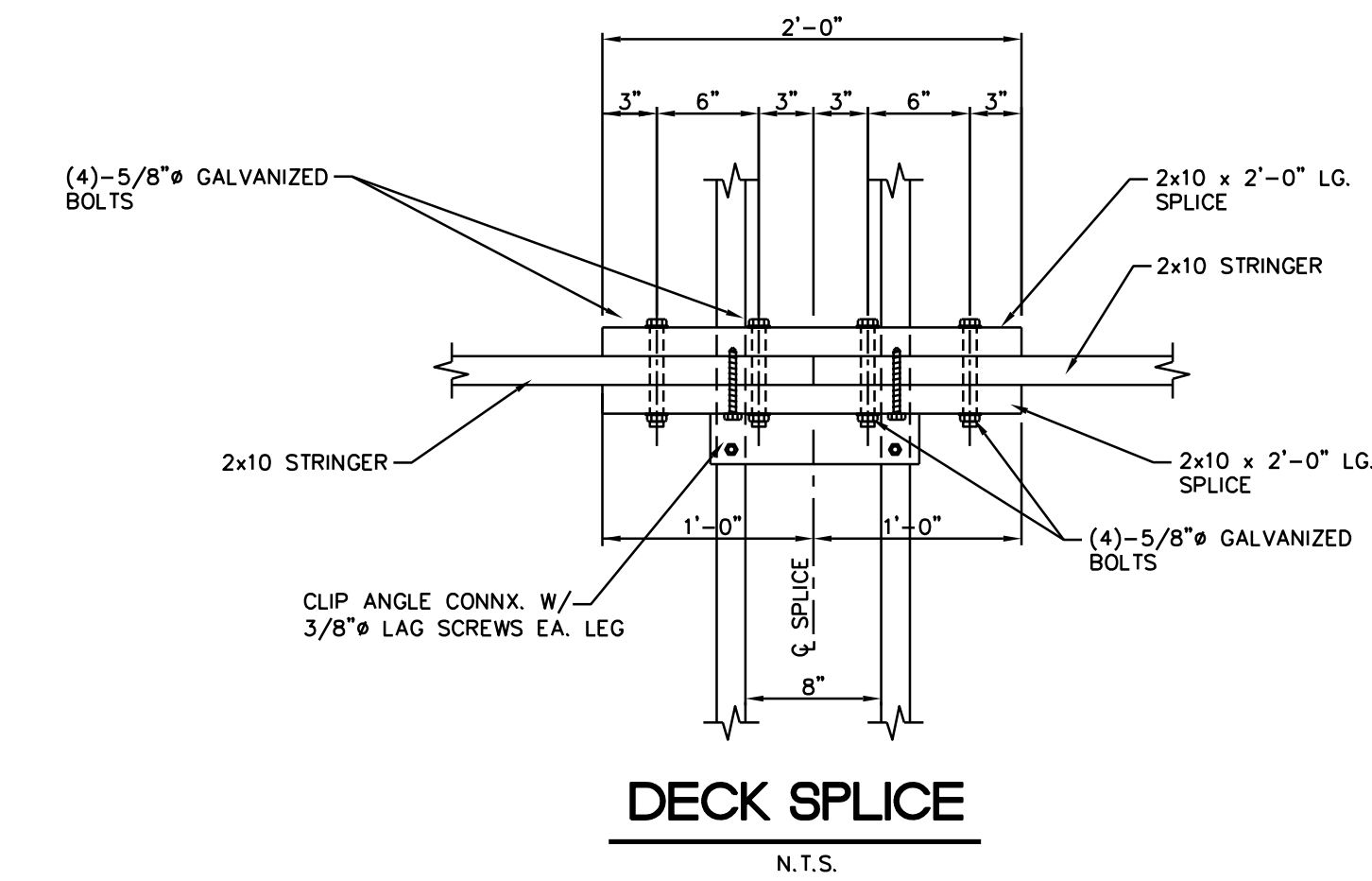
Title

Boardwalk
Framing Plan
12'-0" Width,
8'-0" Width

Project	No. 1692a4	Sheet
Date	07-28-06	
Scale	AS SHOWN	

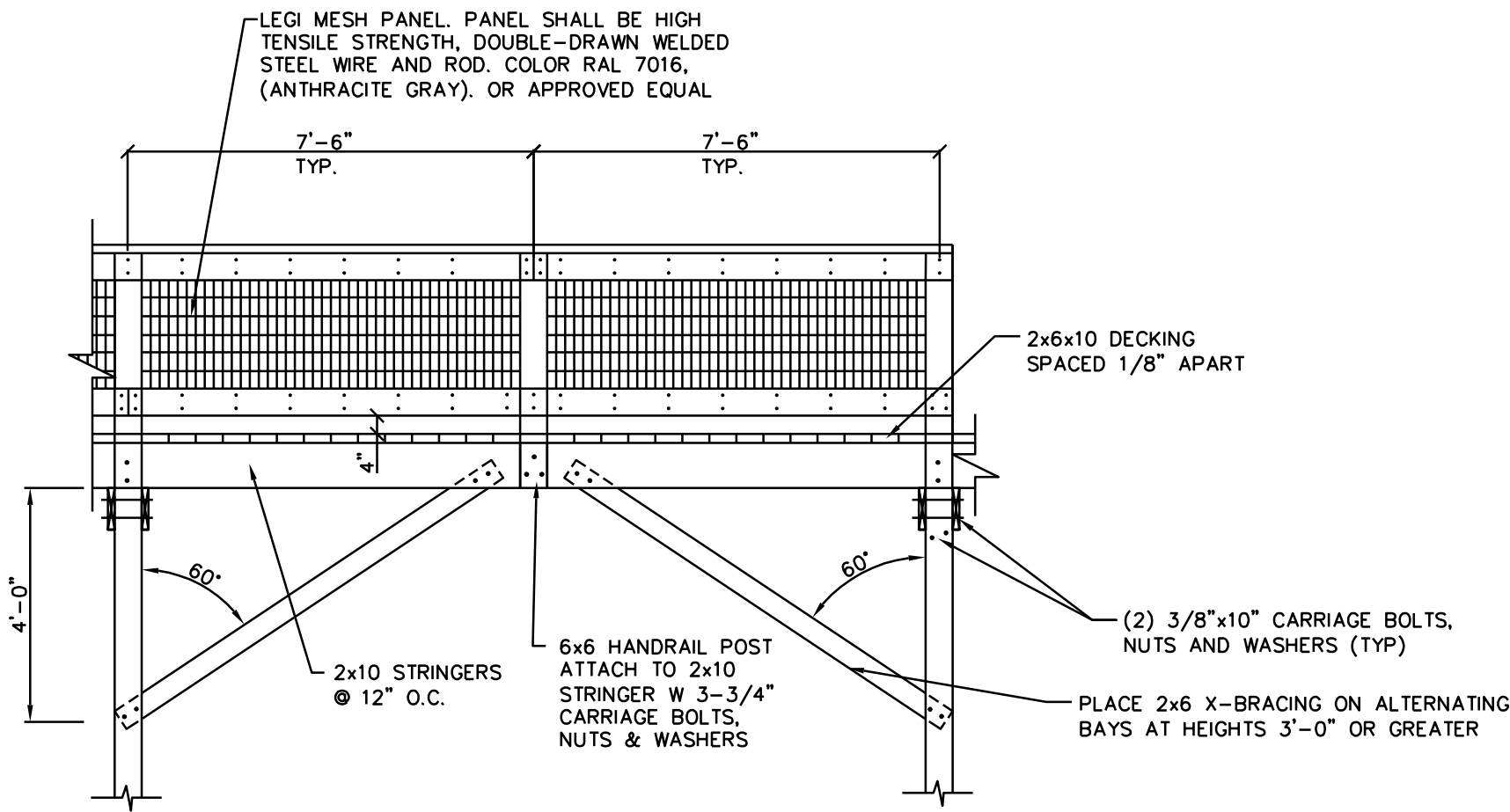
GS-5

Or

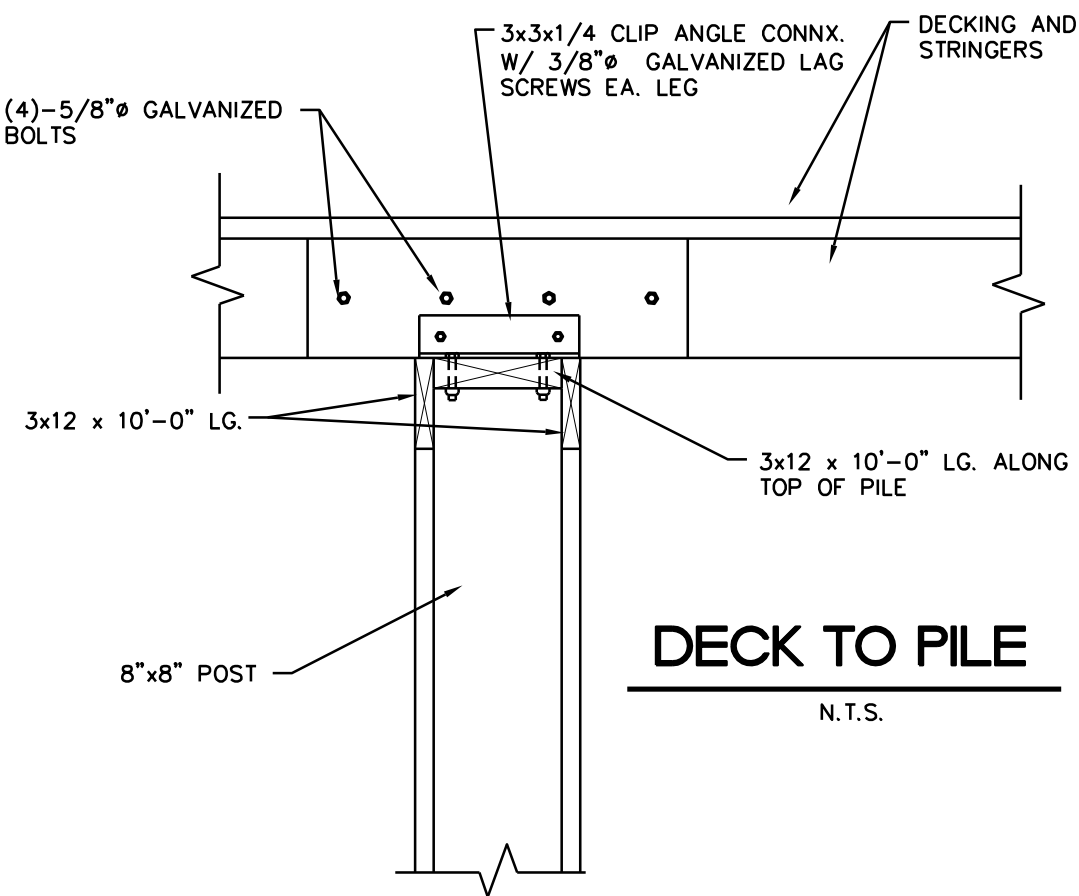


DECK SPLICE
N.T.S.

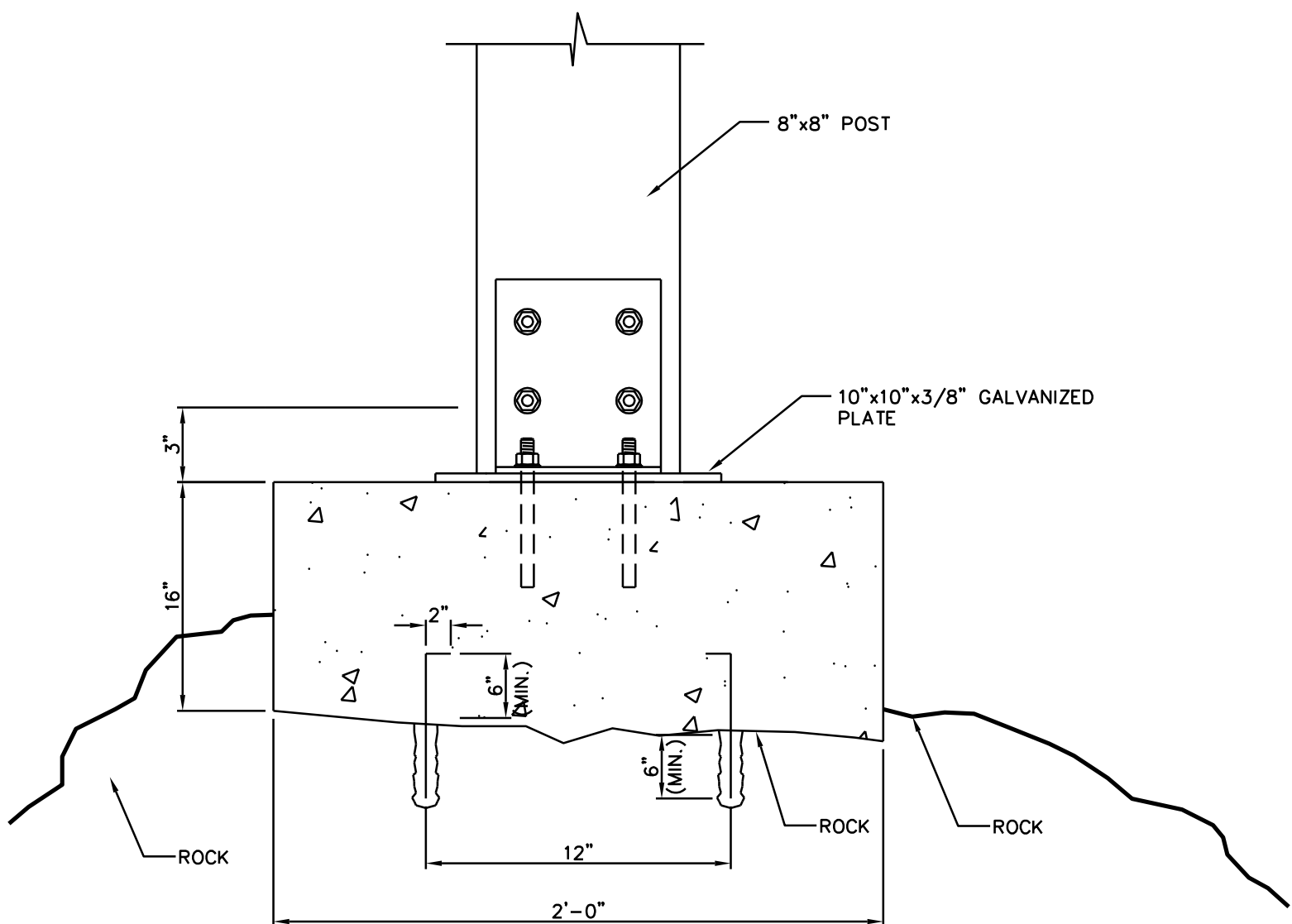
- GENERAL NOTES:
1. ALL STRINGERS AND JOISTS TO BE SOUTHERN PINE NO. 1 GRADE OF LUMBER.
 2. NAIL DECKING W/ #16d RING-SHANK HOT DIPPED GALVANIZED NAILS. (TYP. FOR ALL BOARDWALKS, OVERLOOK, AND BRIDGE.)
 3. ALL JOISTS TO BE ATTACHED W/ H2.5-HURRICANE TIE, 18 GAUGE GALVANIZED STEEL. (TYP. FOR ALL BOARDWALKS AND OVERLOOK.)
 4. SPLICING OF POSTS, BEAMS, RAILING, AND JOISTS IS NOT ACCEPTABLE.
 5. ALL STRUCTURES SHALL BE STAKED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
 6. ALL ELEMENTS ARE SUBJECT TO CHANGE DUE TO EXISTING SITE CONDITIONS.
 7. ALL TIMBER AND FASTENERS OTHER THAN PILING TO BE TREATED PER ARCHITECTS SPECIFICATIONS.
 8. ON LONG RUNS OF BRIDGES/BOARDWALKS AND RAMP CHANGES IN ALIGNMENT (i.e. BENDS) MAY BE NECESSARY TO AVOID MAJOR VEGETATION AND/OR OTHER LAND FEATURES OR TO BETTER FIT THE SITE. THOSE CHANGES ARE AT NO COST TO THE OWNER.



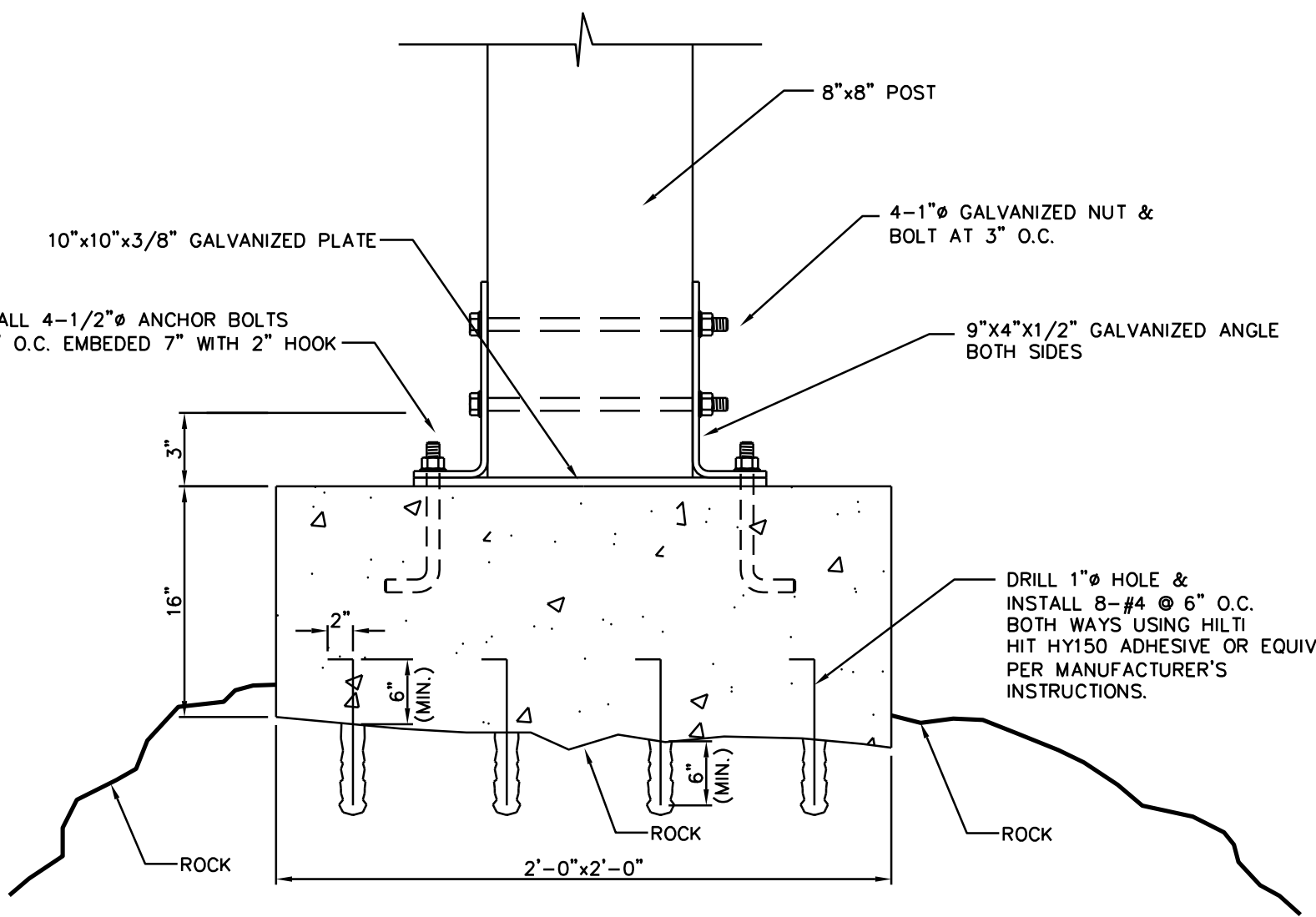
PARTIAL BOARDWALK WALKWAY ELEVATION
N.T.S.



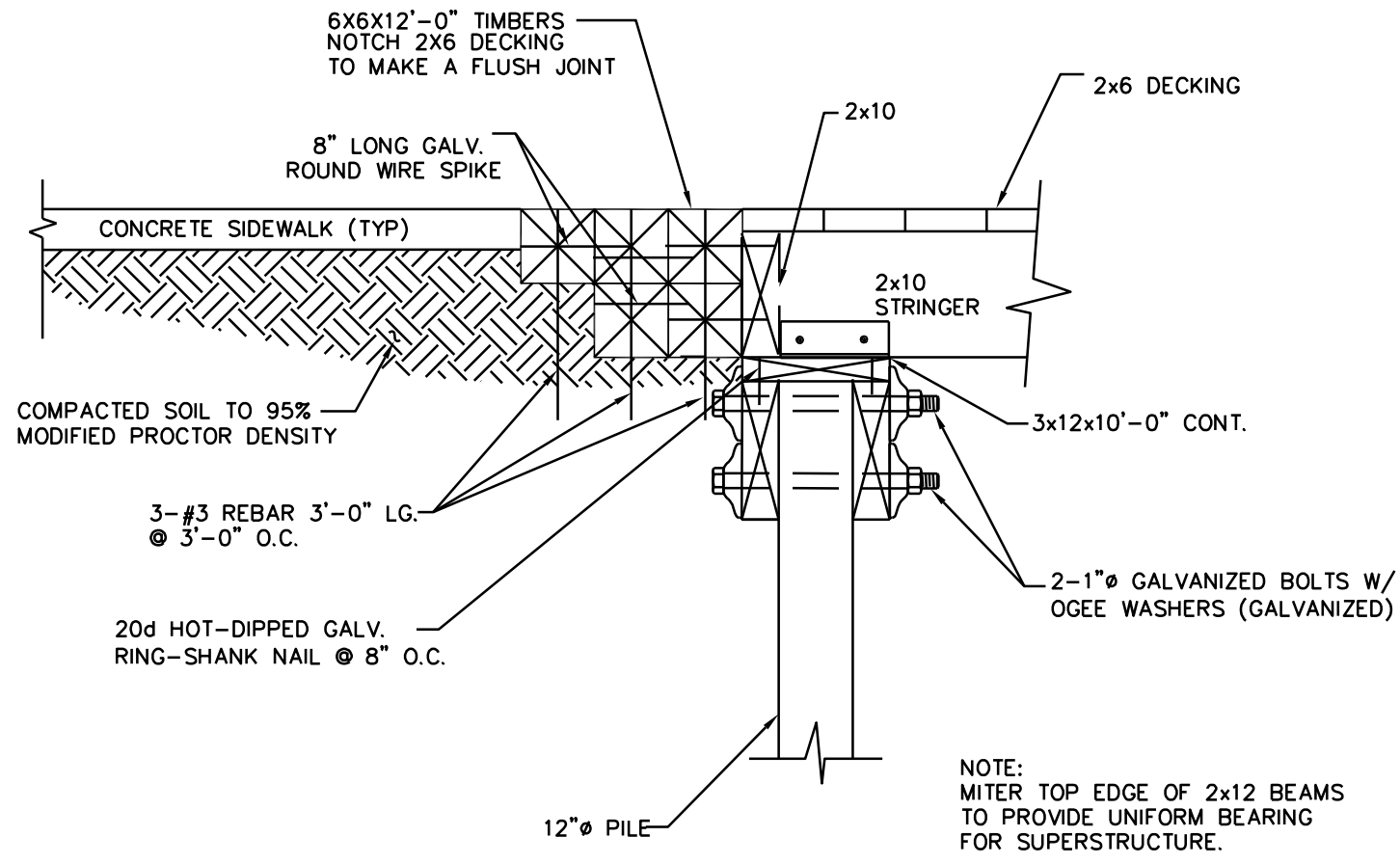
DECK TO PILE
N.T.S.



SPREAD FOOTING DETAIL
FRONT VIEW
N.T.S.



SPREAD FOOTING DETAIL
SIDE VIEW
N.T.S.



ABUTMENT AT END DETAIL
(BOTH ENDS SIMILAR)
N.T.S.

TIMBER PILES:

TIMBER PILES SHALL COMPLY WITH THE REQUIREMENTS OF ASTM D25 AND D2899.

TIMBER PILING SHALL BE TREATED WITH 0.80 POUNDS PER CUBIC FOOT RETENTION OF CHROMATED COPPER ARSENATE, TYPE "B", (CCA-B) IN ACCORDANCE WITH AWPA SPECIFICATIONS C.3.

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ALL TIMBER PILES TO BE CLASS "B".

PILE CAPACITIES (SERVICE LOADS) ARE AS FOLLOWS:
VERTICAL DOWNWARD: 9 TONS
VERTICAL UPLIFT: 1 TONS
LATERAL: 1 TONS

THE MINIMUM PILE TIP DIAMETER SHALL BE 8 INCHES.

TIMBER PILES SHALL BE SEATED TO A MINIMUM PENETRATION OF 15 FEET. DEEPER PENETRATIONS MAY BE REQUIRED TO ACHIEVE THE MINIMUM ALLOWABLE BEARING CAPACITIES AS DETERMINED BY THE GEOTECHNICAL ENGINEER. DRIVE PILES ACCORDING TO THE RECOMMENDATIONS AND SPECIFICATIONS IN THE GEOTECHNICAL REPORT.

PILES SHOULD BE AUGERED OR JETTED THE INITIAL SIX (6) FEET TO PENETRATE GRAVEL OR ROCK SEAMS. ANY PILING UNABLE TO PENETRATE AT LEAST SIX (6) FEET DEPTH DUE TO ROCK MUST BEAR INTO ROCK AT LEAST 3 INCHES VIA JACKHAMMER ROCK SURFACE. INSERT ANCHORS, THEN AIR BLAST CLEAN SURFACE, APPLY BONDING AGENT (NON-SHRINK GROUT 4,000 psi) PER SPREAD FOOTING DETAIL AND BACK FILL WITH 3,000 psi CONCRETE AS ILLUSTRATED ON FOOTING DETAIL. (SEE ROCK FOUNDATION DETAIL). SUITABLE ROCK IS DEFINED AS CONTINUOUS SOLID FORMATION ON AT LEAST 100 ft³ BOULDER WITH LEAST SIDE DIMENSIONS OF SIX (6) FEET.

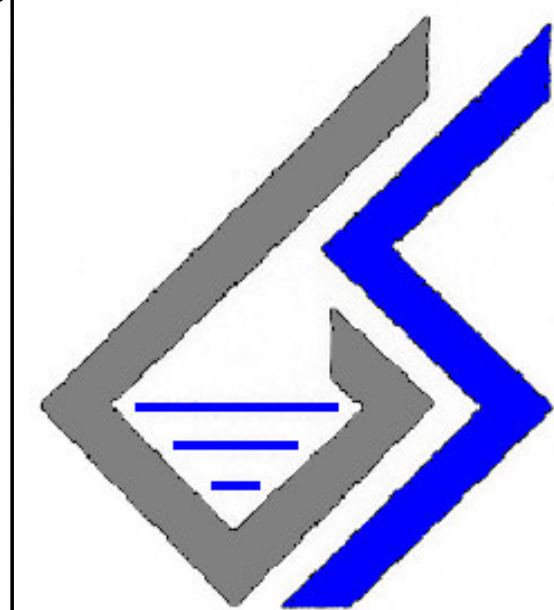
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ALL STRUCTURAL STEEL SHALL BE A-36 AND ALL METAL BOLTS, SCREWS, CLIPS, NAILS, STRUCTURAL STEEL, ETC. SHALL BE TRIPLE HOT DIPPED GALVANIZED.

OTHER THAN PILING, ALL DECKING, BRACING, RAILING, ETC. WOOD TREATMENT PER THE ARCHITECTS SPECIFICATIONS.

AREA "C"

8' BRIDGE/BOARDWALK #7



Owner
**City of Columbia c/o
Kenneth B. Simmons
& Assoc. LLC**
3135 Millwood Avenue
Columbia, S.C. 29205
Phone: (803) 254-3791

Project Name and Address
**Three Rivers
Greenway
Bridge/Boardwalk #7**

Site Located In
Columbia, South Carolina

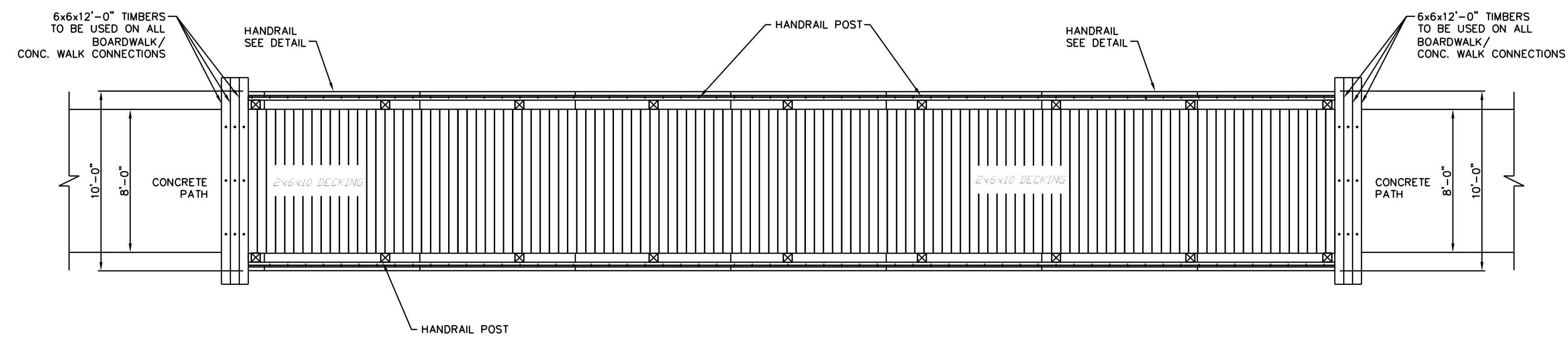
Firm Name and Address
**GEO-SYSTEMS
DESIGN & TESTING,
INC.**
Post Office Box 2656
W. Columbia, SC 29171
Phone: (803) 791-7528

Seal

Title
Details

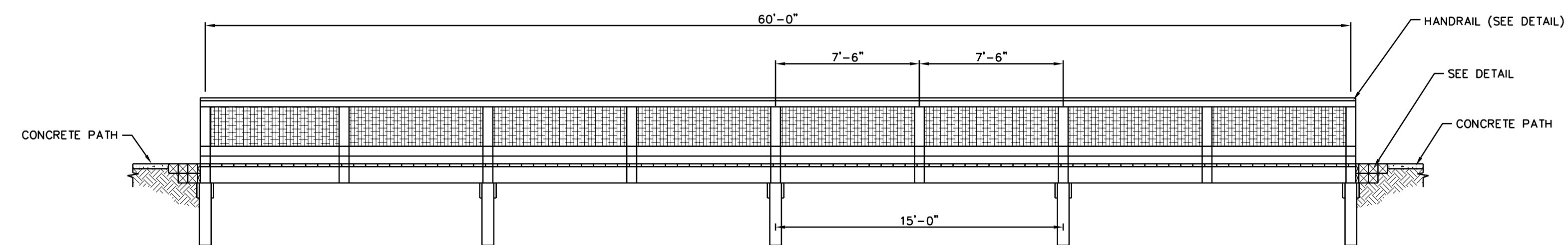
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Date 07-28-06
Scale AS SHOWN
Sheet GS-6
or

AREA "B"
BRIDGE SITE #8



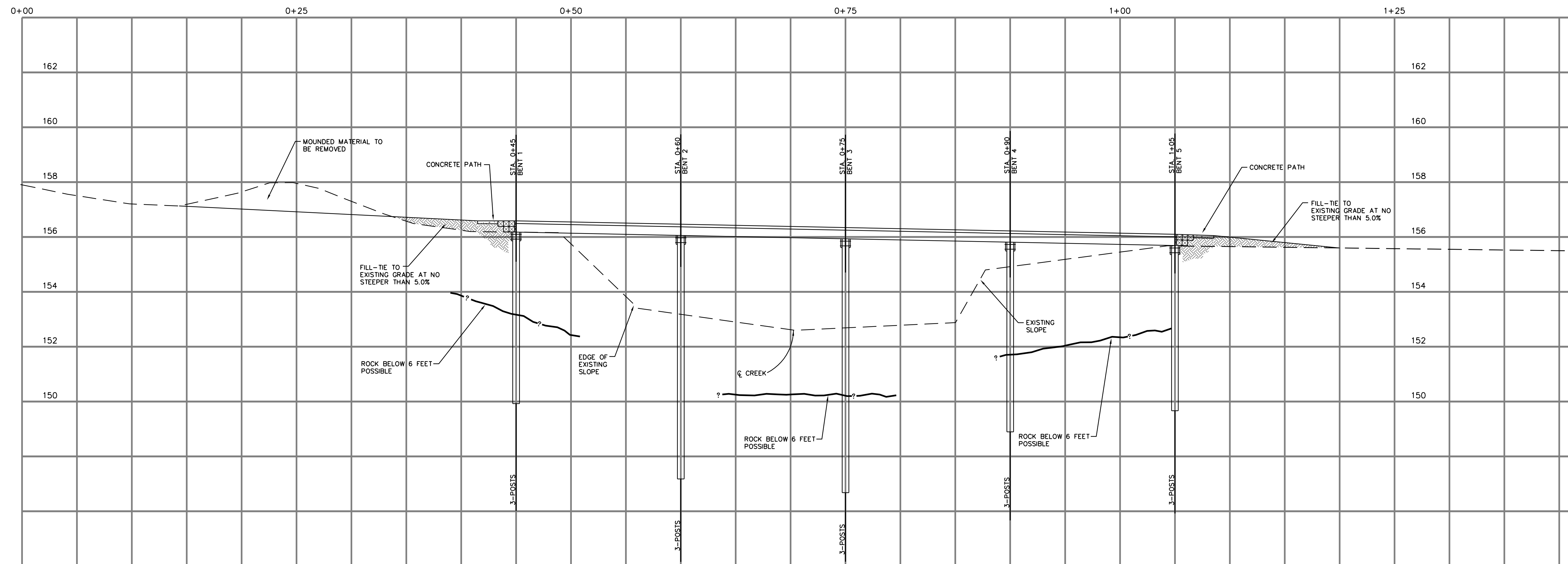
BRIDGE PLAN VIEW

SCALE: 1" = 5' HORIZ.
1" = 5' VERT.



BRIDGE HANDRAIL ELEVATION

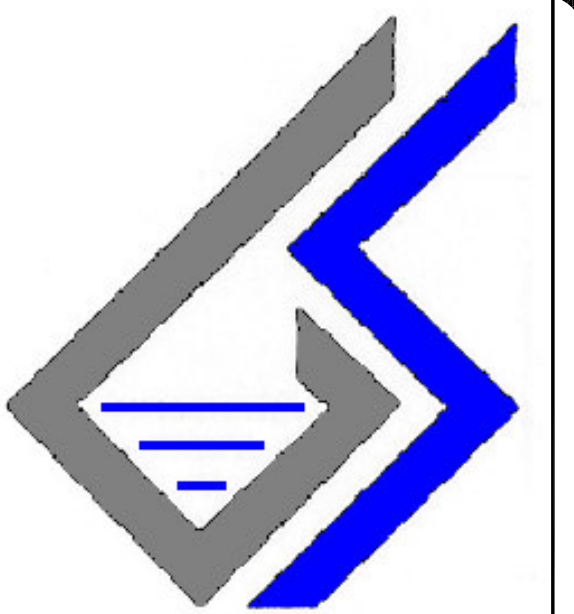
SCALE: 1" = 5' HORIZ.
1" = 5' VERT.



BRIDGE PROFILE

SCALE: 1" = 5' HORIZ.
1" = 2' VERT.

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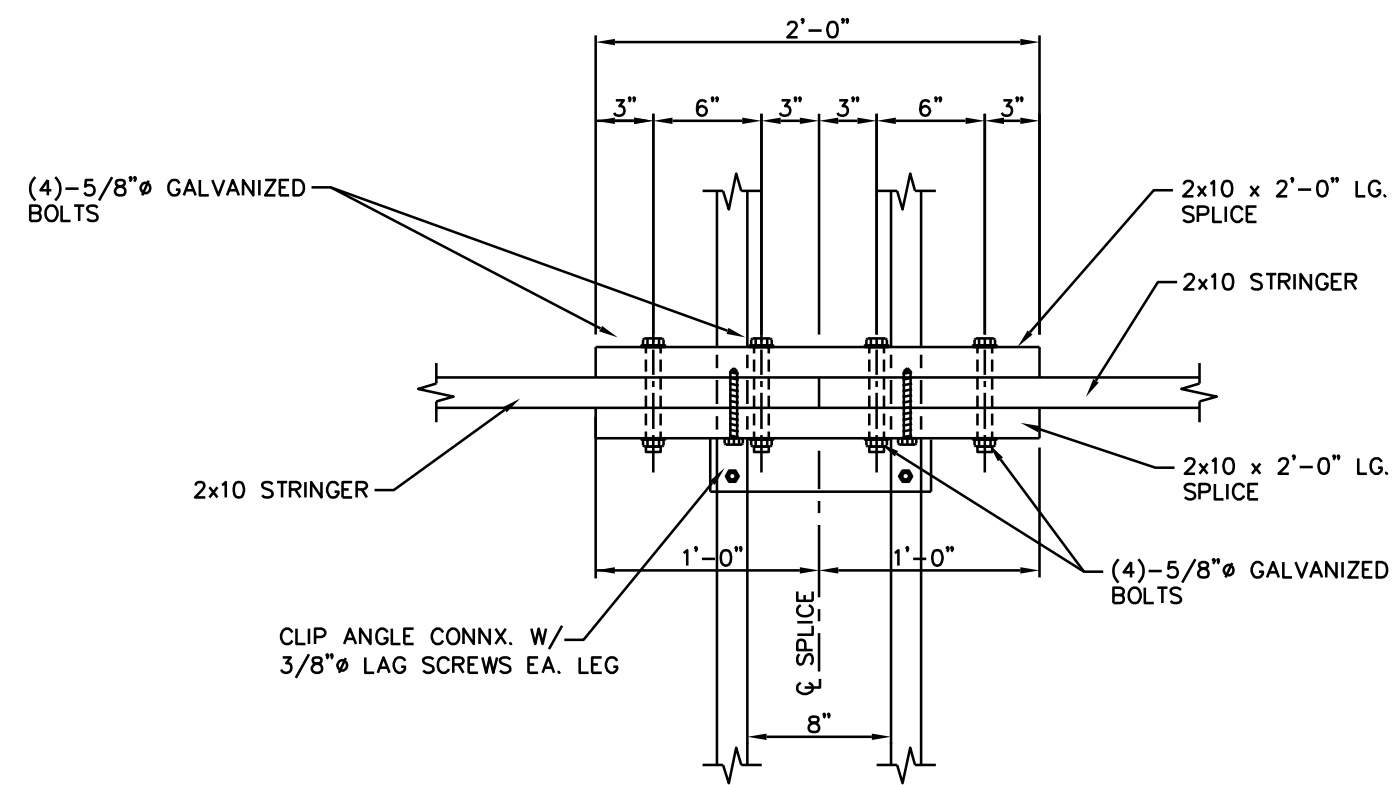
Project Name and Address
**Three Rivers
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Site Located In
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Seal

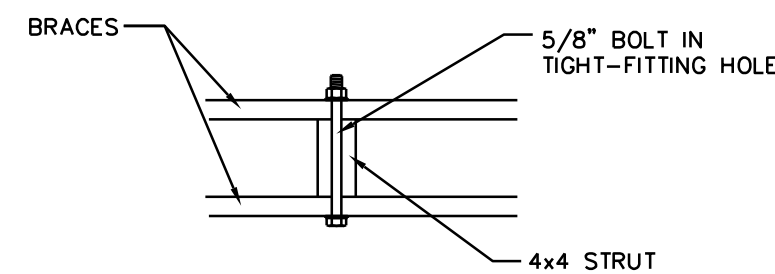
Title
**Bridge Plan,
Elevation
and
Profile**

Project	No.	Sheet
1692a4	07-28-06	GS-7
Scale	AS SHOWN	or



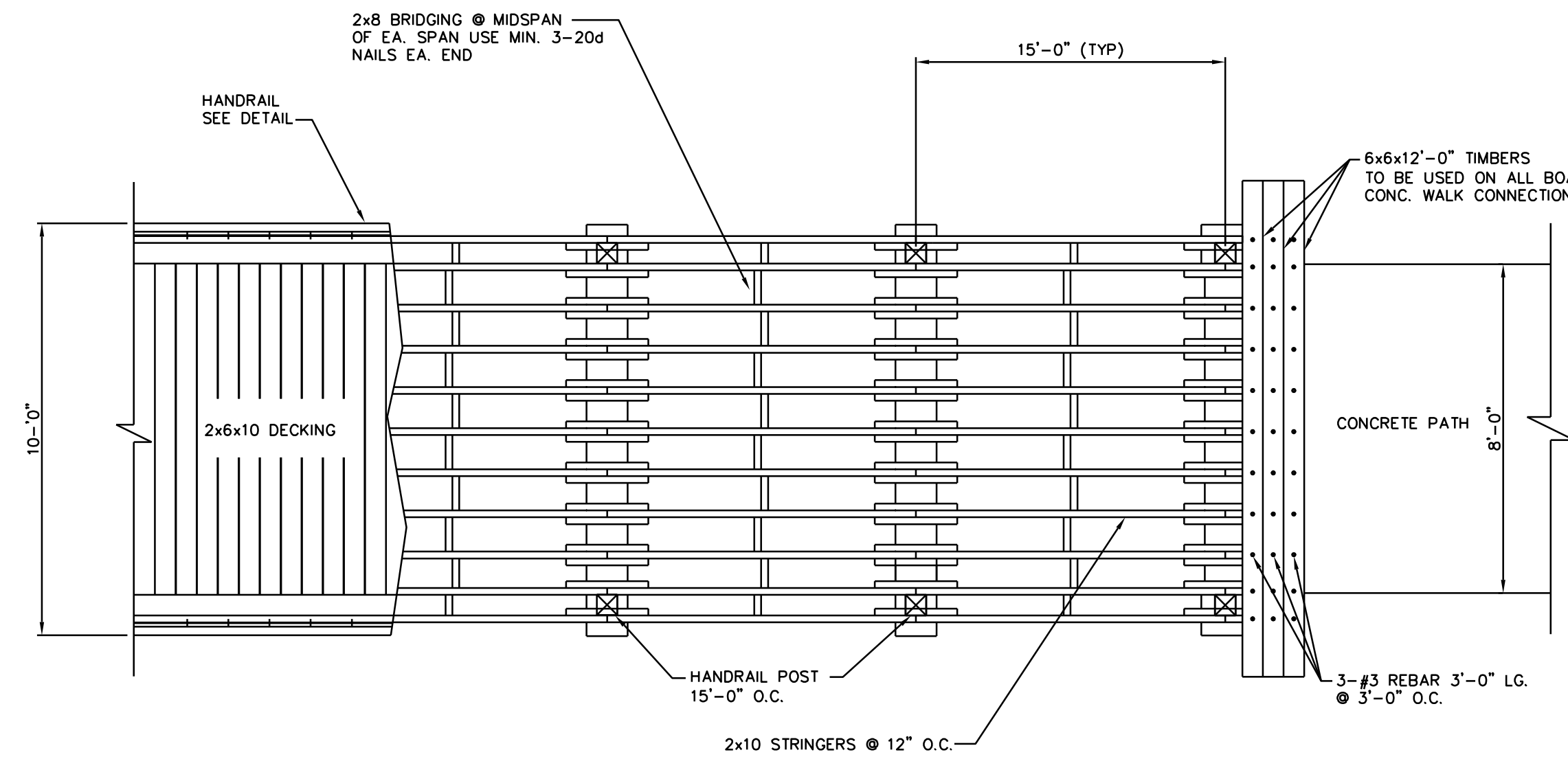
DECK SPLICE

N.T.S.



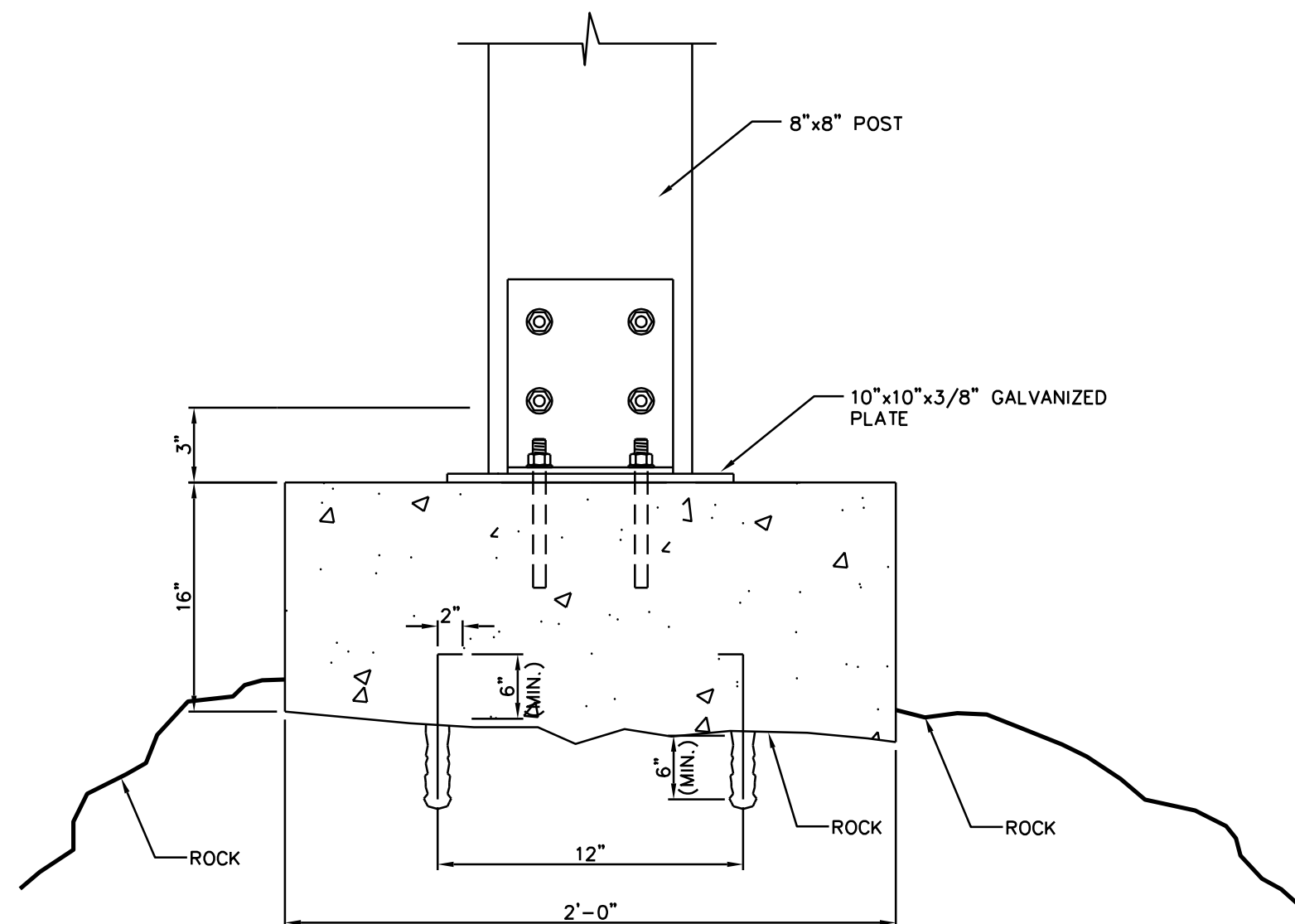
4x4 TIE AT
INTERSECTION OF BRACES

N.T.S.



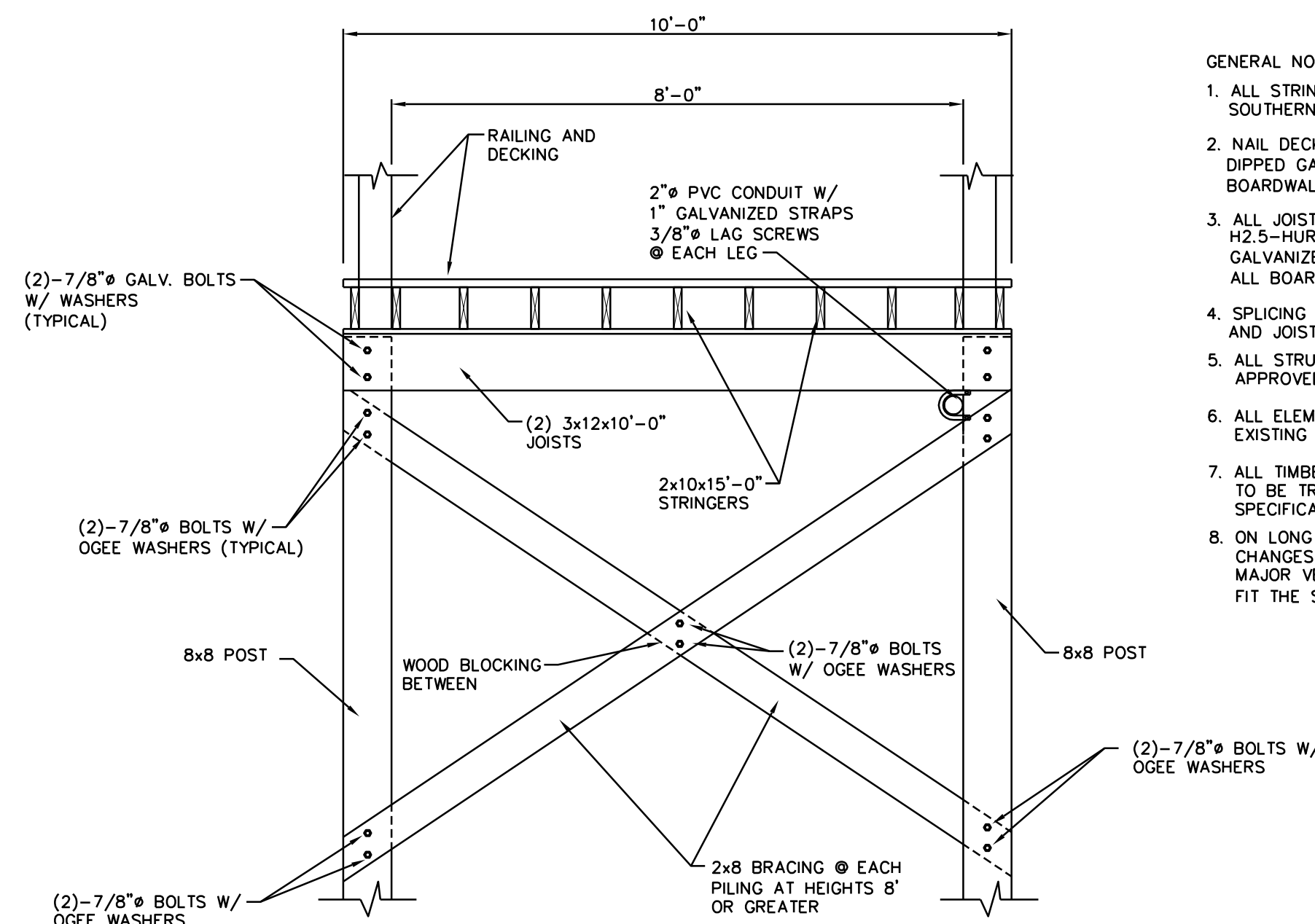
PARTIAL BOARDWALK PLAN

N.T.S.



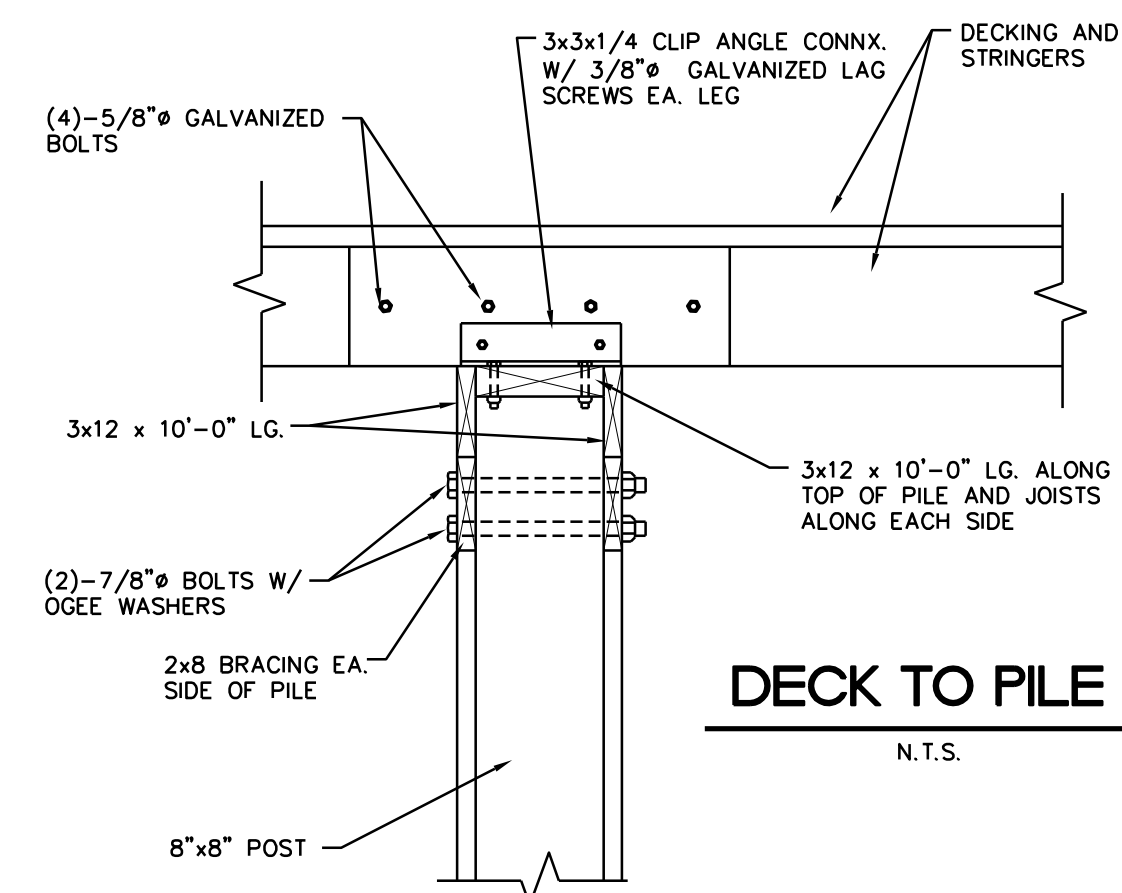
SPREAD FOOTING DETAIL
FRONT VIEW

N.T.S.



END VIEW
CROSS SECTION

N.T.S.



DECK TO PILE

N.T.S.

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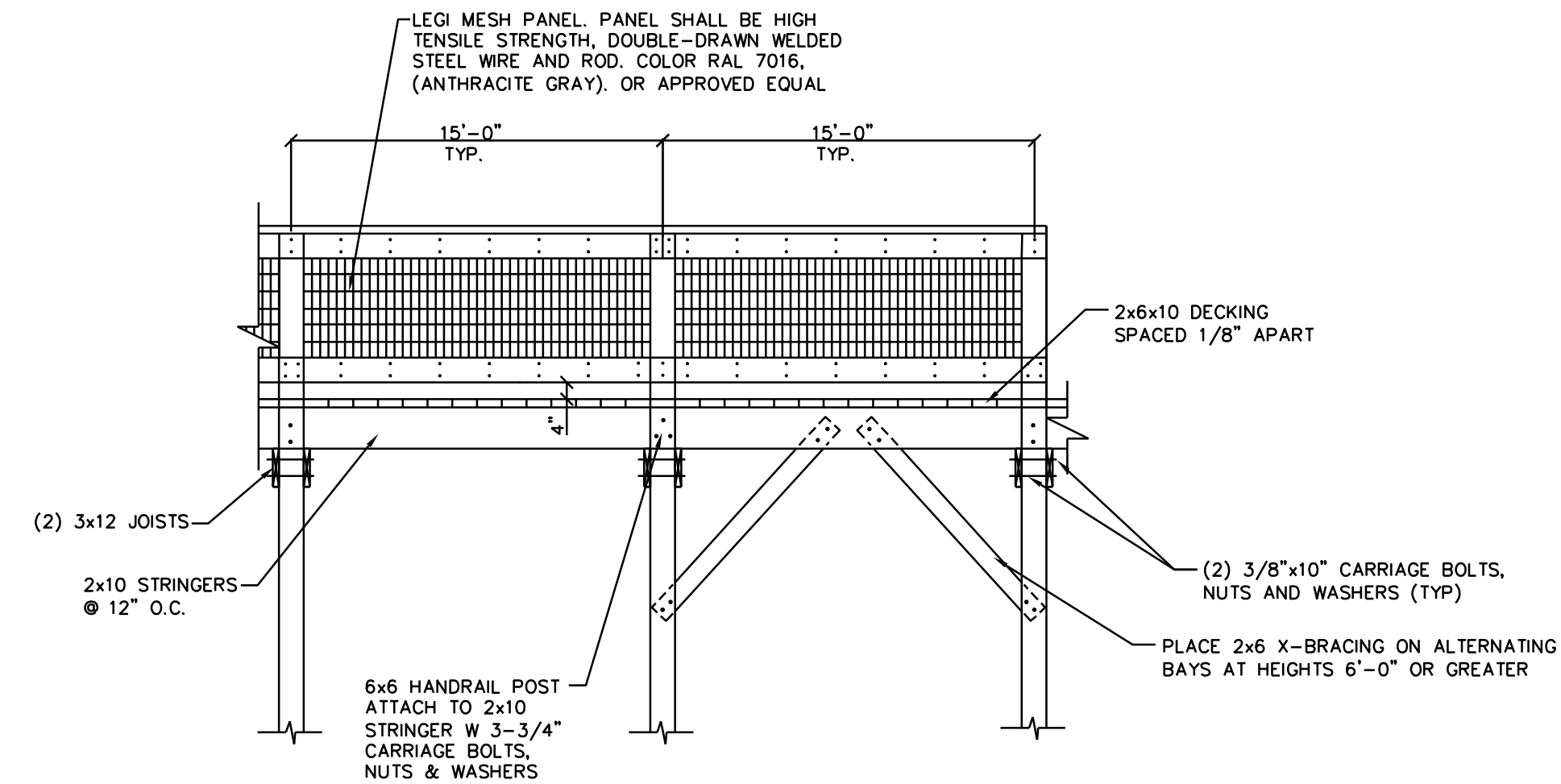
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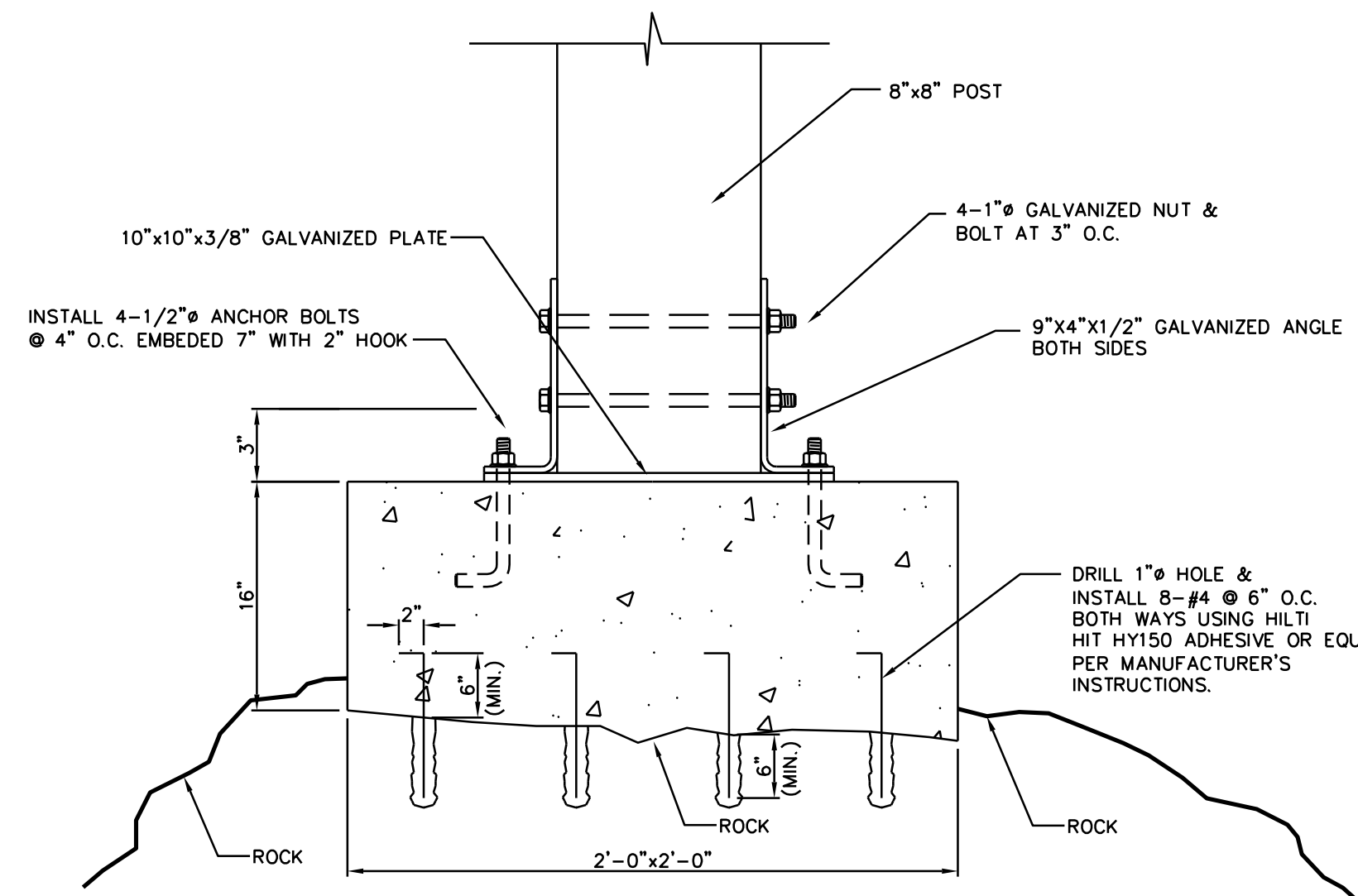
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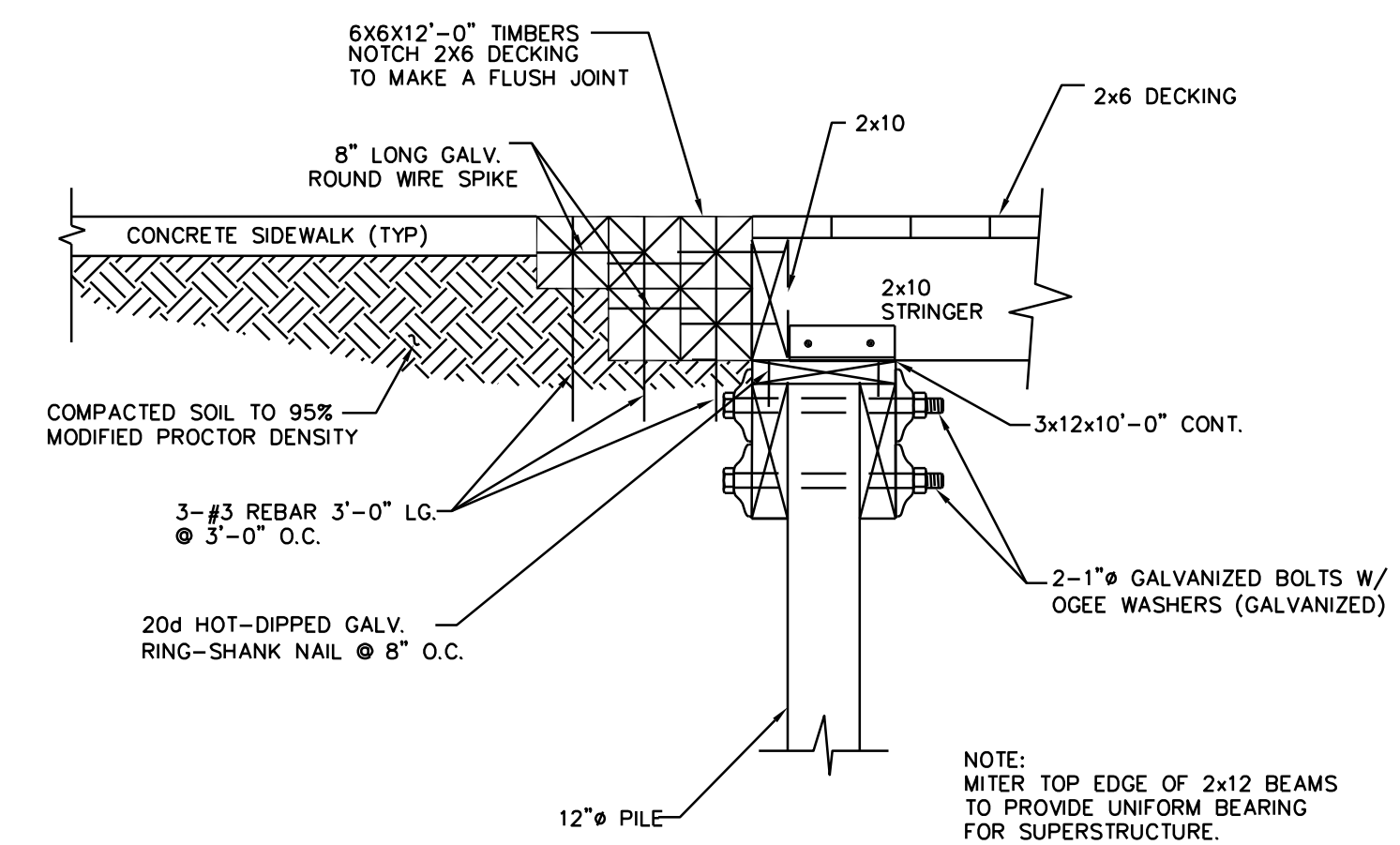
PARTIAL BOARDWALK WALKWAY ELEVATION

N.T.S.



SPREAD FOOTING DETAIL
SIDE VIEW

N.T.S.



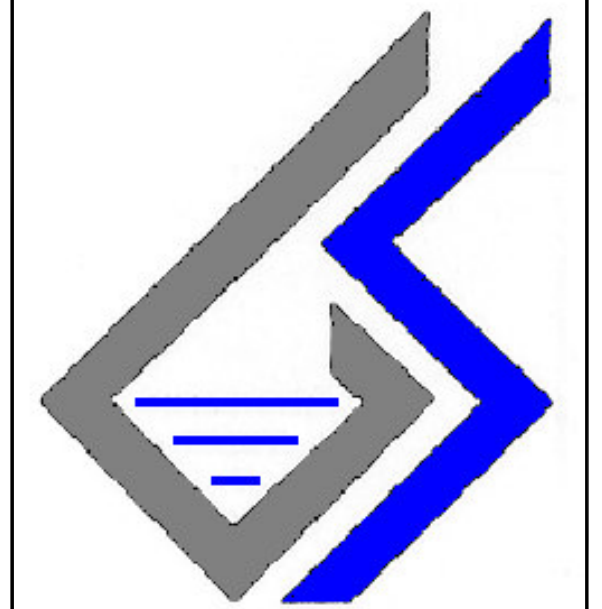
NOTE: PILING TO BE DRIVEN AS PER OTHER BENT FOOTINGS AND PER GEOTECHNICAL REQUIREMENTS.

ABUTMENT AT END DETAIL
(BOTH ENDS SIMILAR)

N.T.S.

AREA "B"
BRIDGE SITE #8

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Project Name and Address
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Bridge Site #8**
Site Located In
Columbia, South Carolina

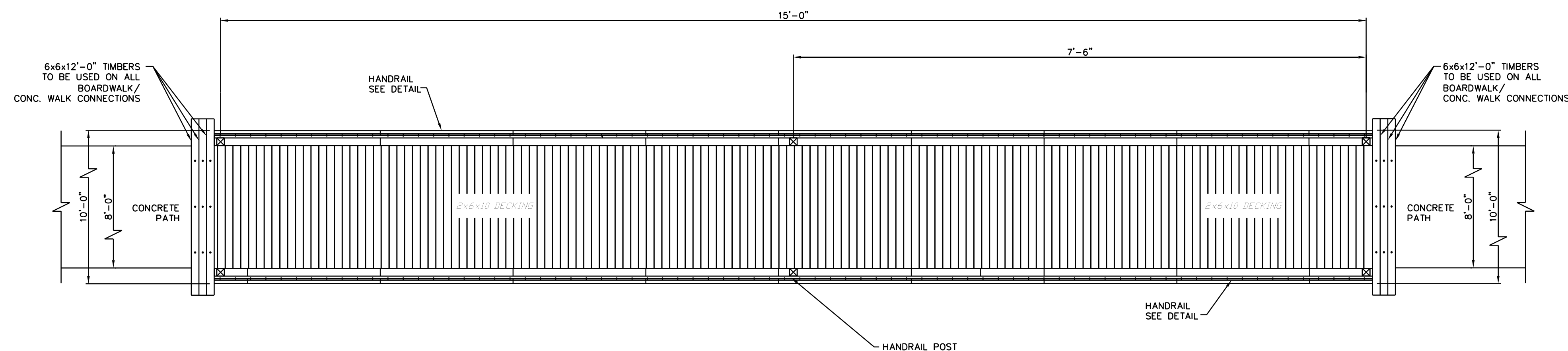
Firm Name and Address
**GEO-SYSTEMS
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INC.**
Post Office Box 2656
W. Columbia, SC 29171
Phone: (803) 791-7528

Seal

Title
Details

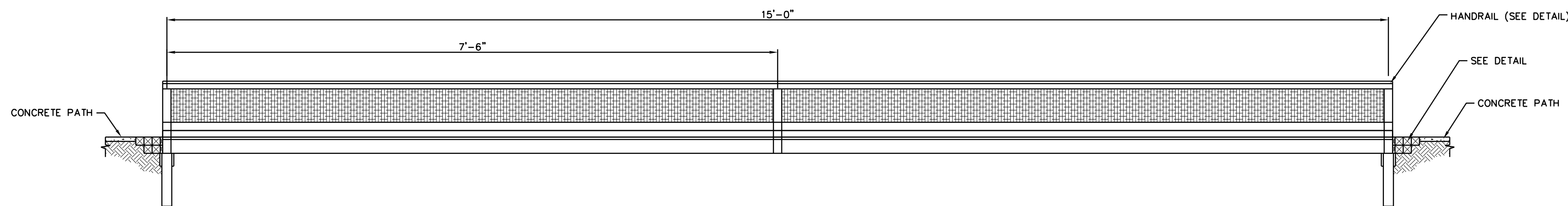
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Date 07-28-06	GS-8
Scale AS SHOWN	or

AREA "B"
BRIDGE SITE #10



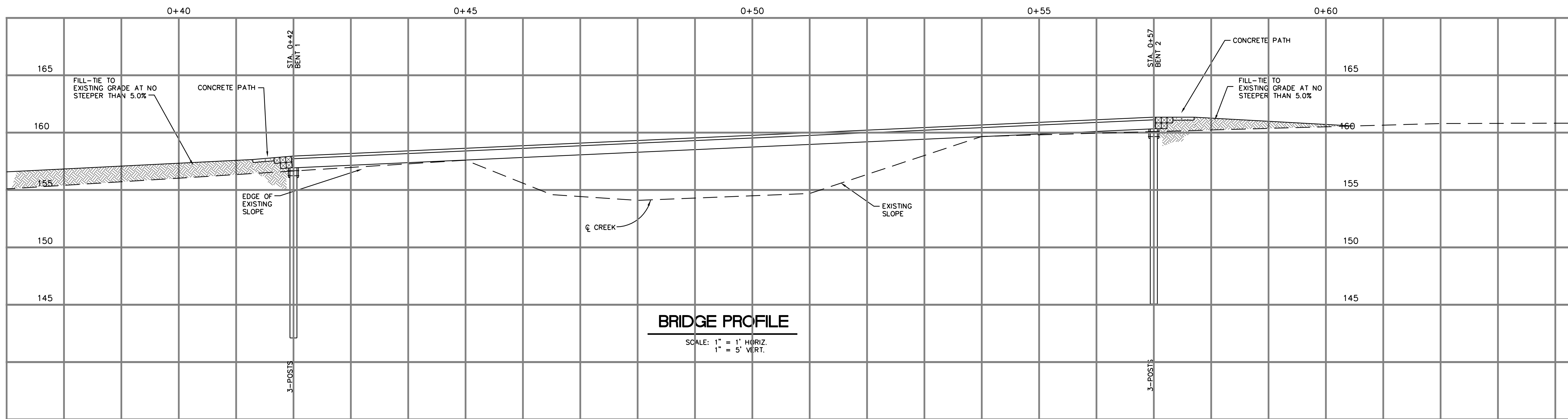
BRIDGE PLAN VIEW

SCALE: 1" = 1' HORIZ.
1" = 5' VERT.



BRIDGE HANDRAIL ELEVATION

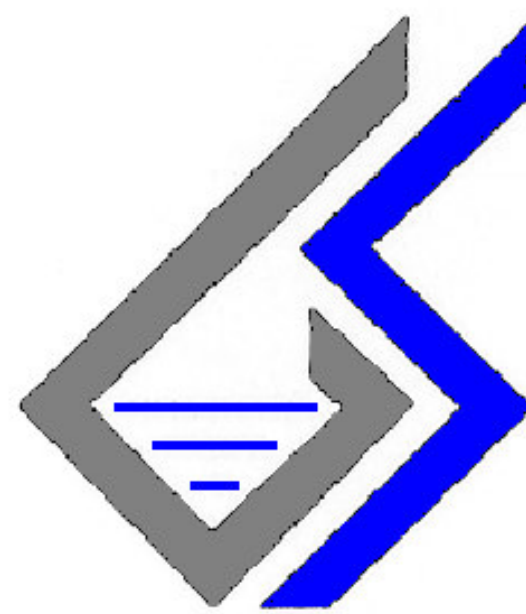
SCALE: 1" = 1' HORIZ.
1" = 5' VERT.



BRIDGE PROFILE

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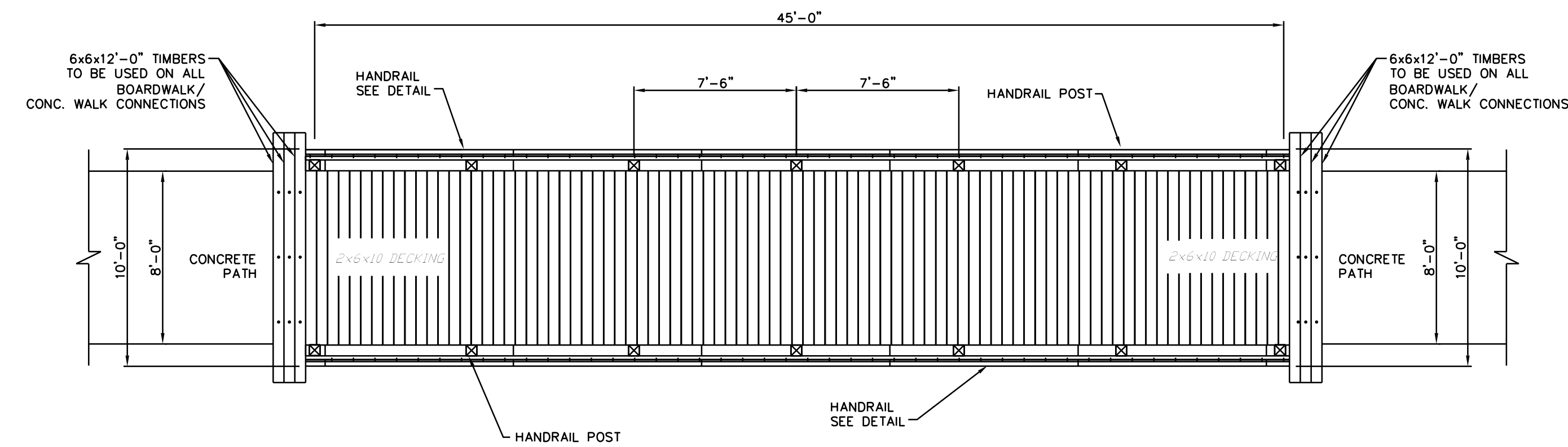
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Seal

Title
**Bridge Plan,
Elevation
and
Profile**

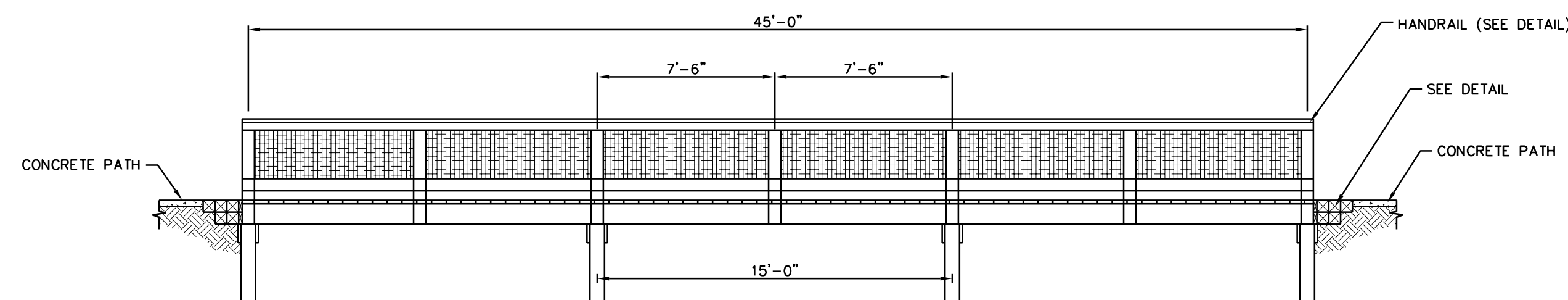
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Date	07-28-06	GS-9
Scale	AS SHOWN	or

AREA "A"
BRIDGE SITE #11



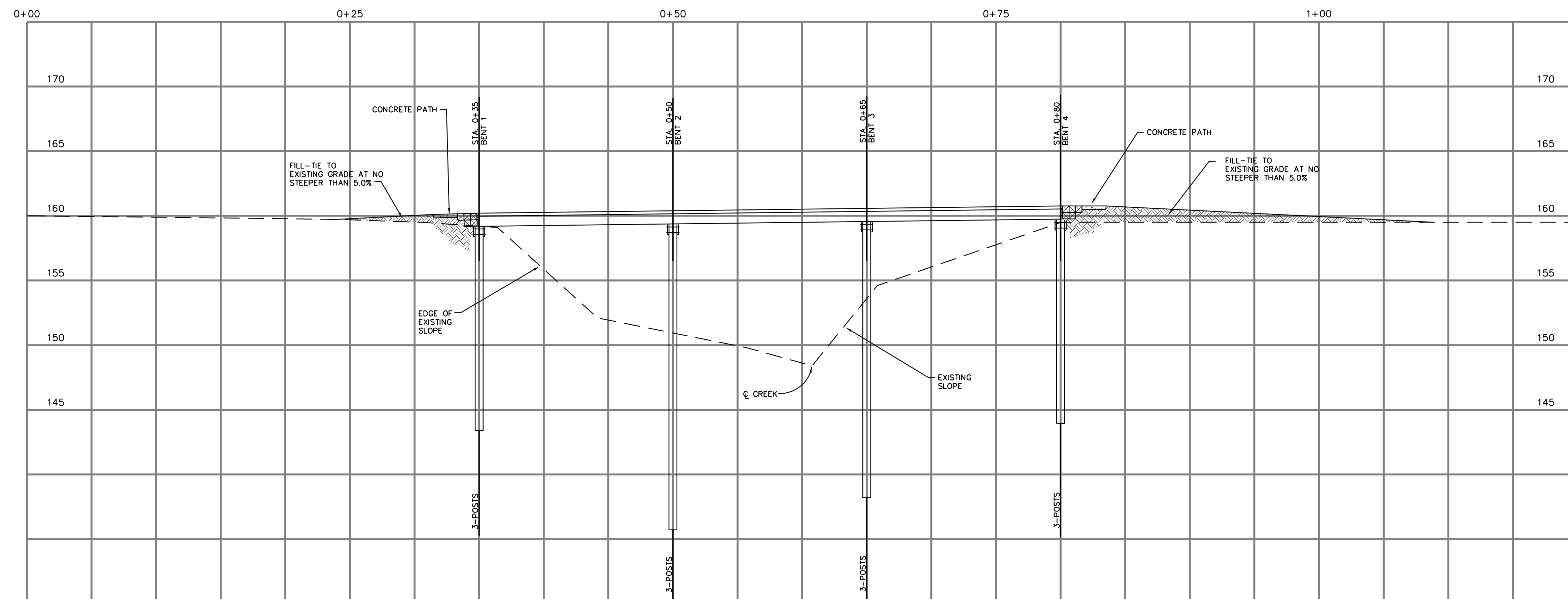
BRIDGE PLAN VIEW

SCALE: 1" = 5' HORIZ.
1" = 5' VERT.



BRIDGE HANDRAIL ELEVATION

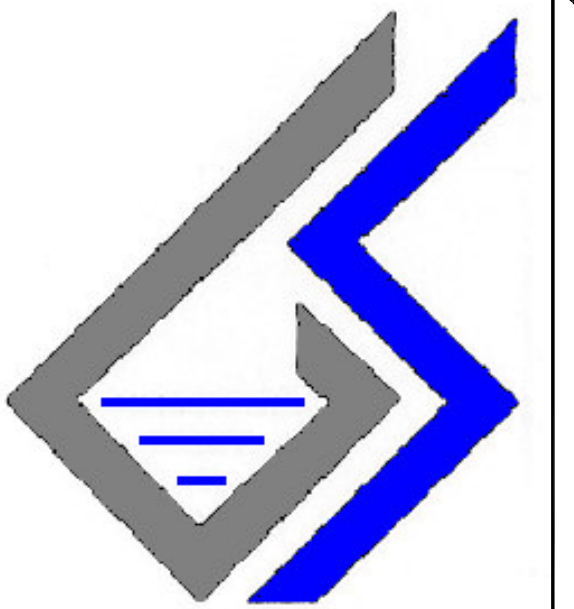
SCALE: 1" = 5' HORIZ.
1" = 5' VERT.



BRIDGE PROFILE

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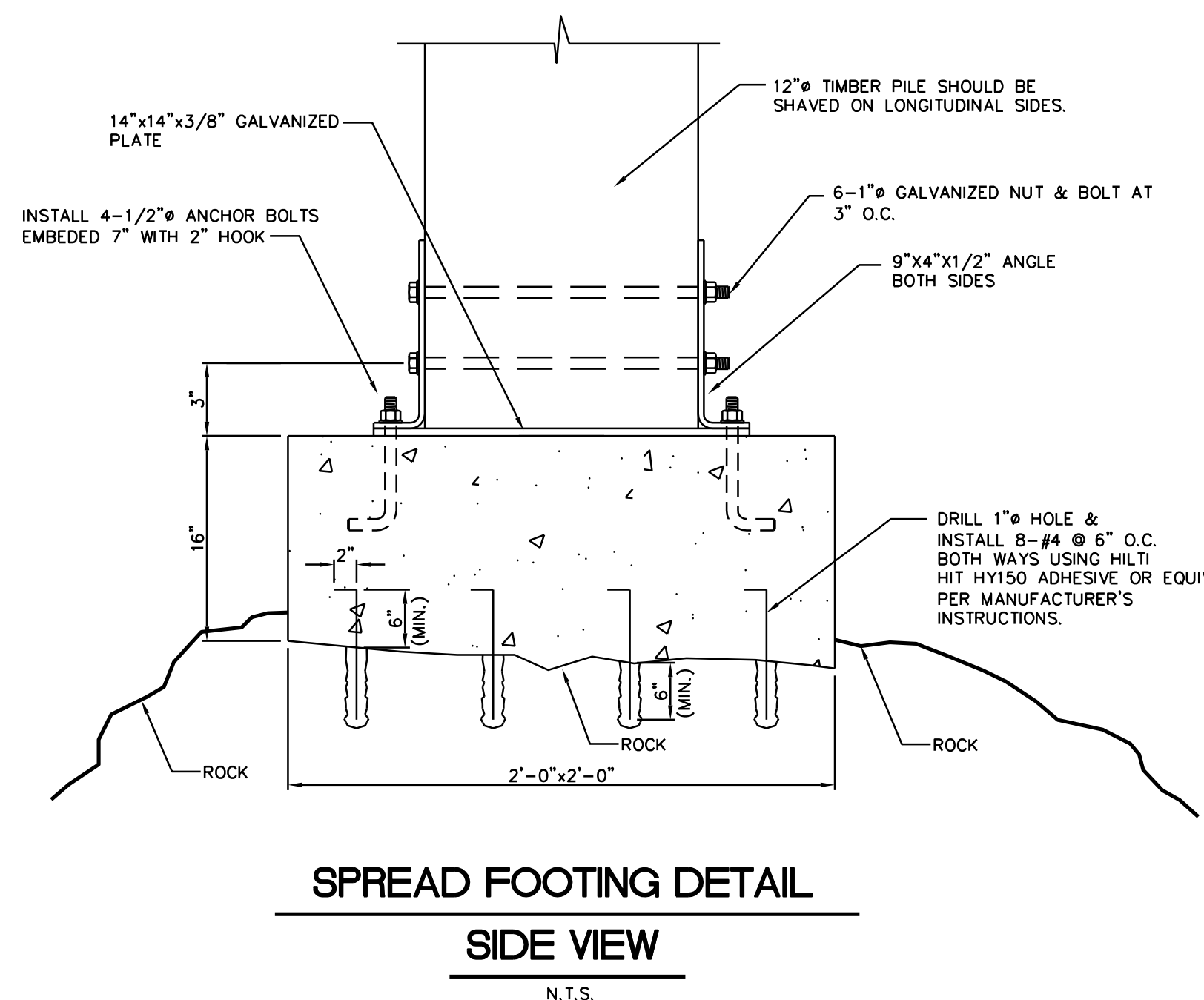
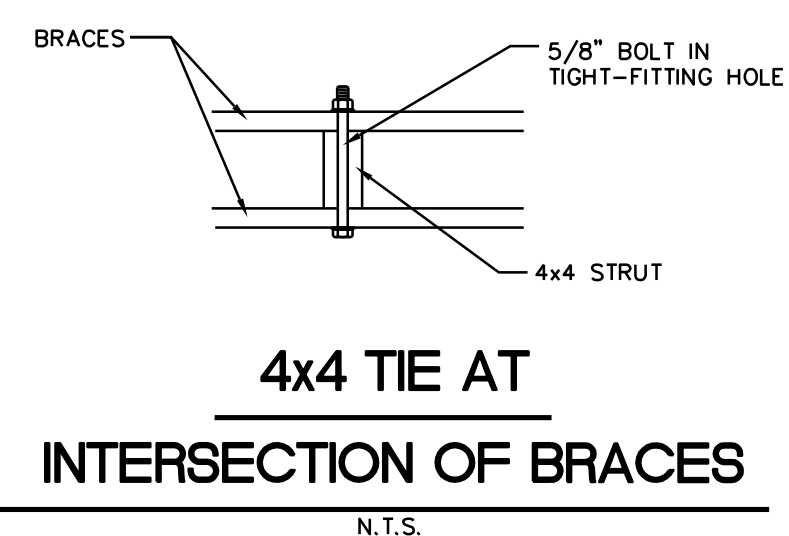
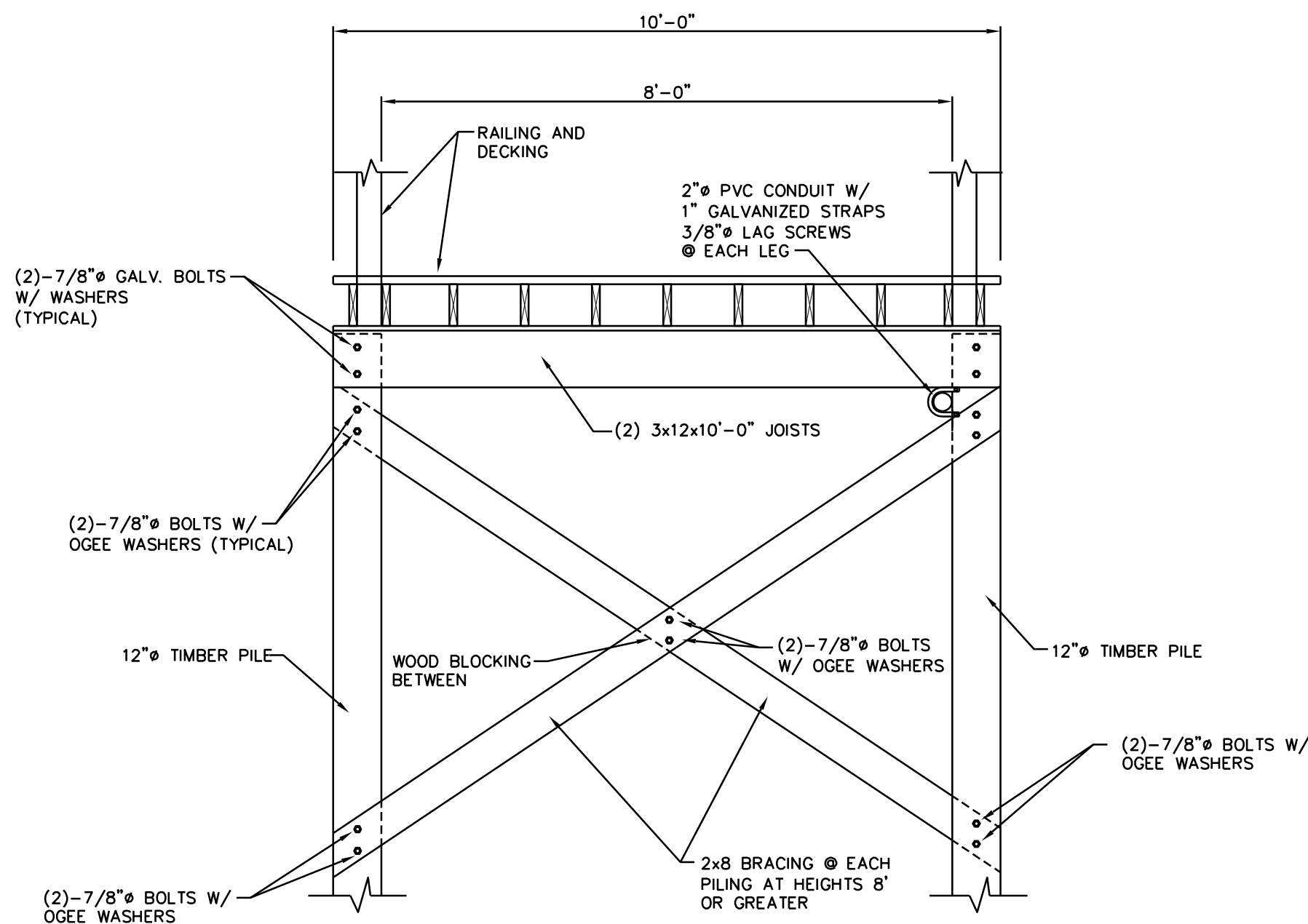
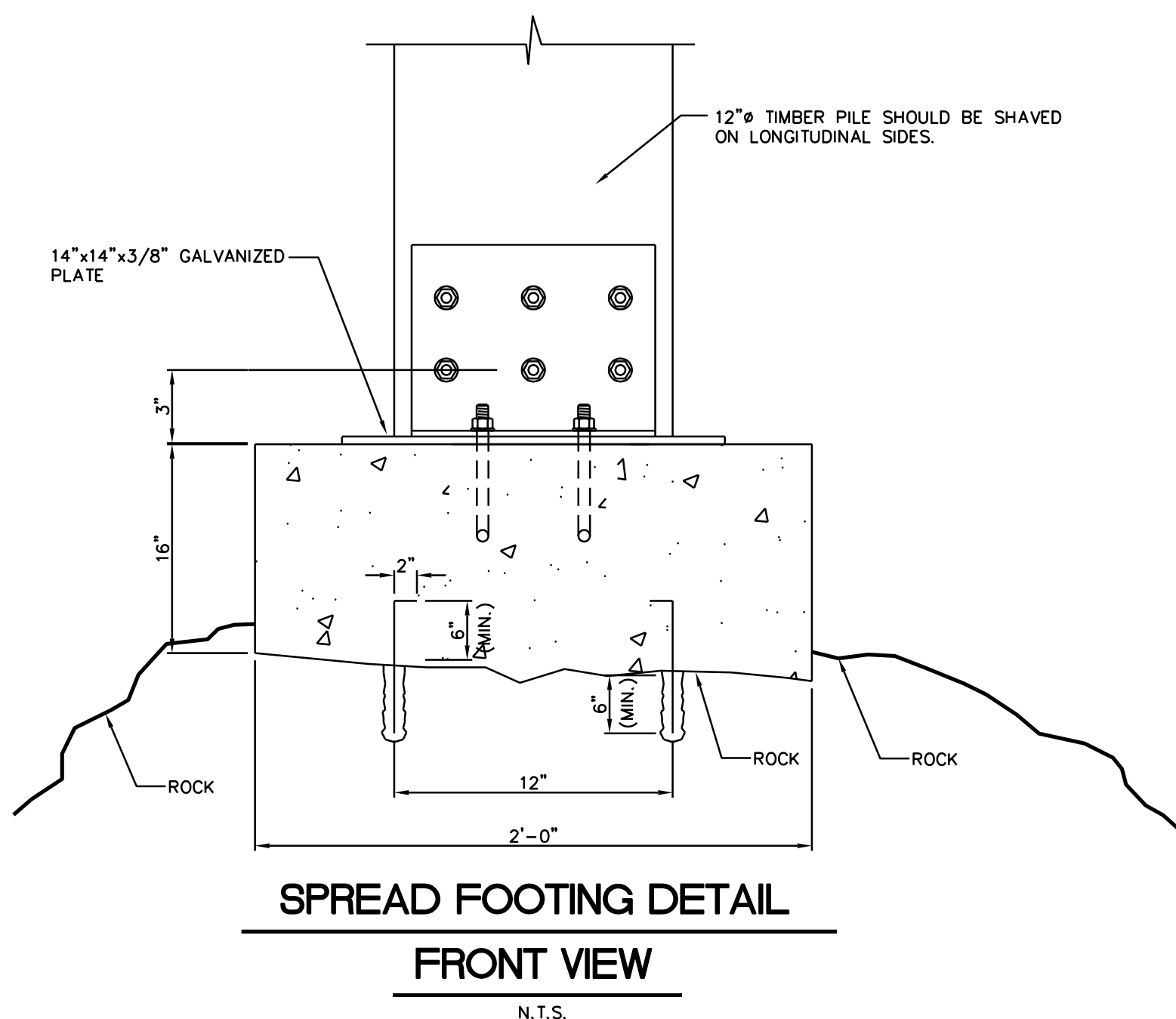
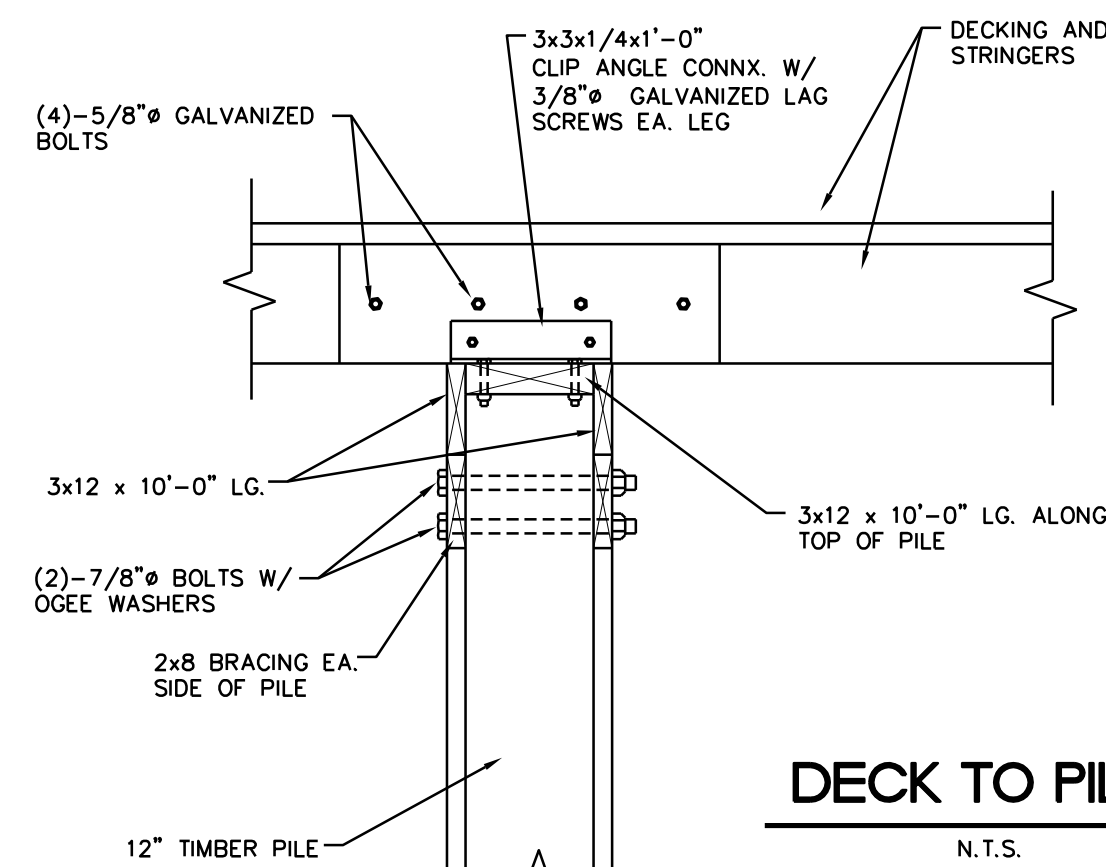
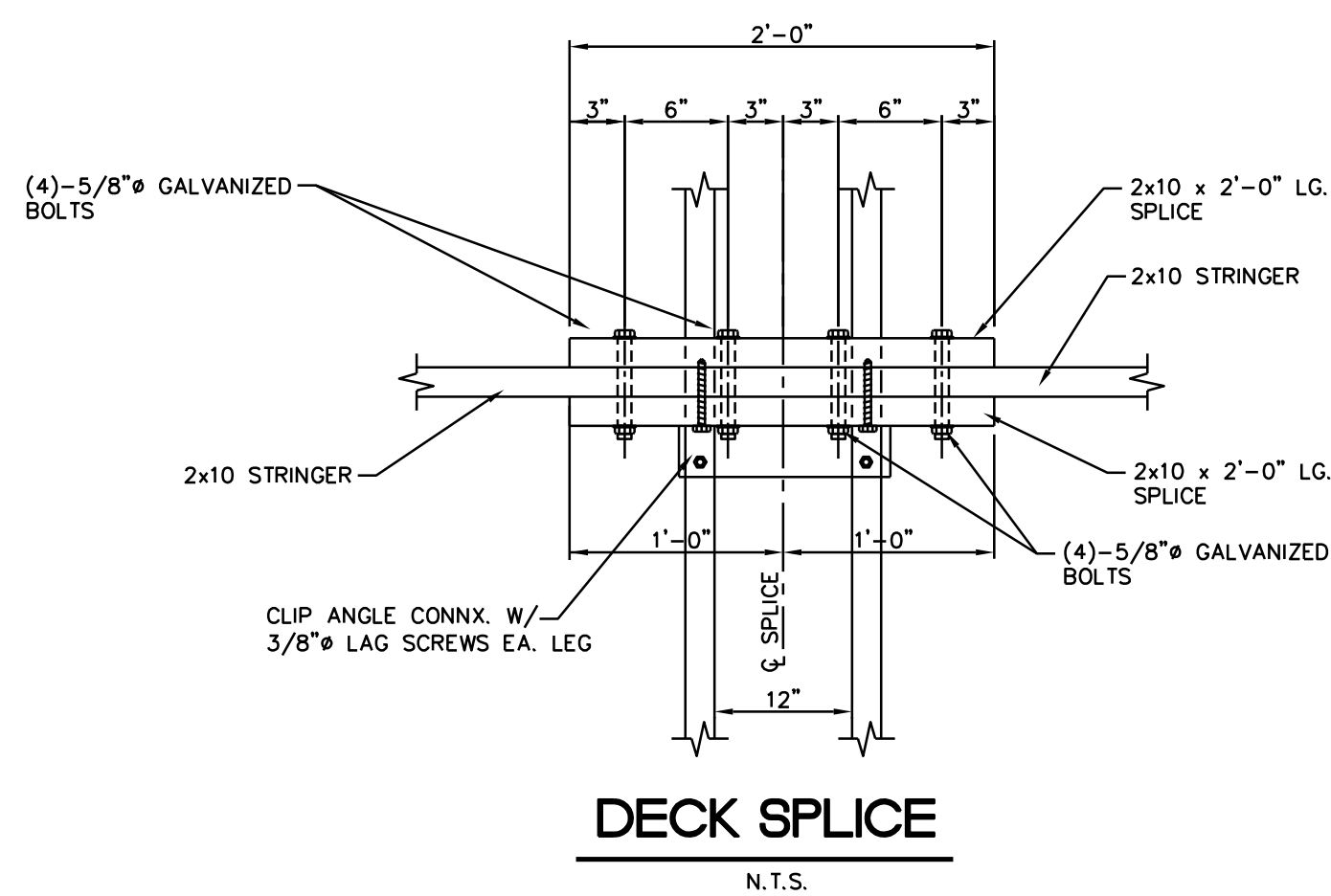
Project Name and Address
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Seal

Title
**Bridge Plan,
Elevation
and
Profile**

Project No. 1692a4	Sheet GS-10
Date 07-28-06	or
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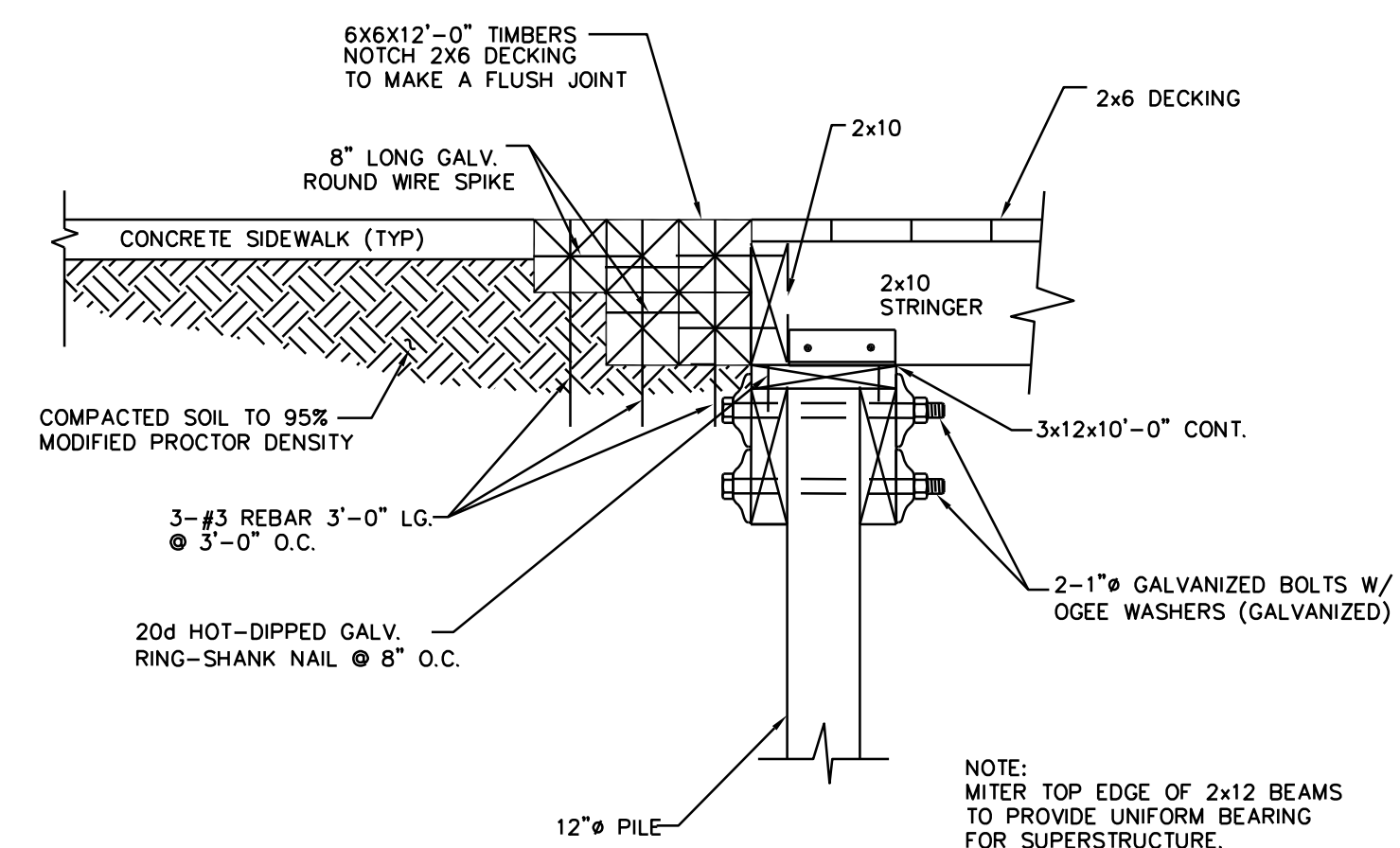
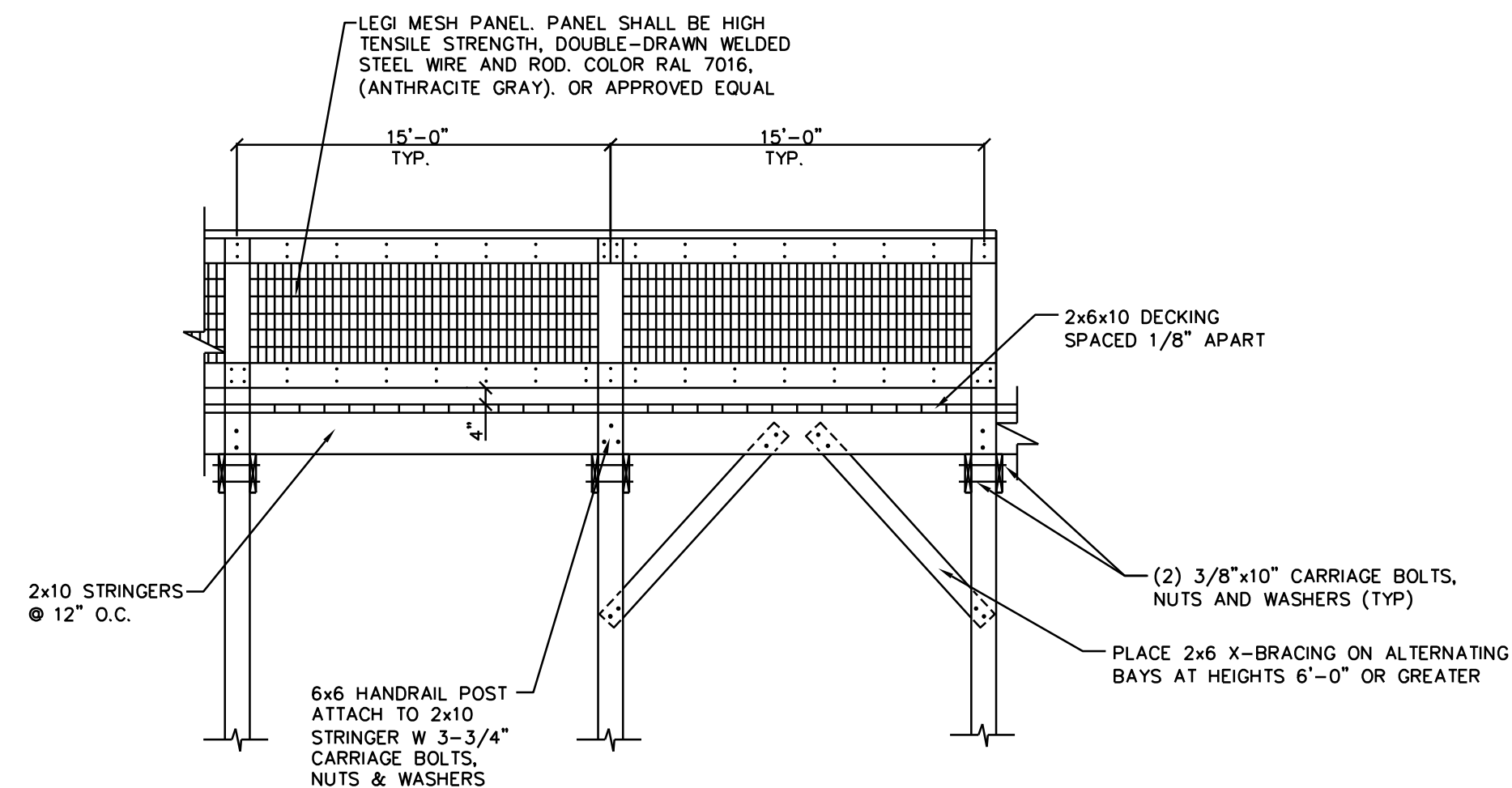
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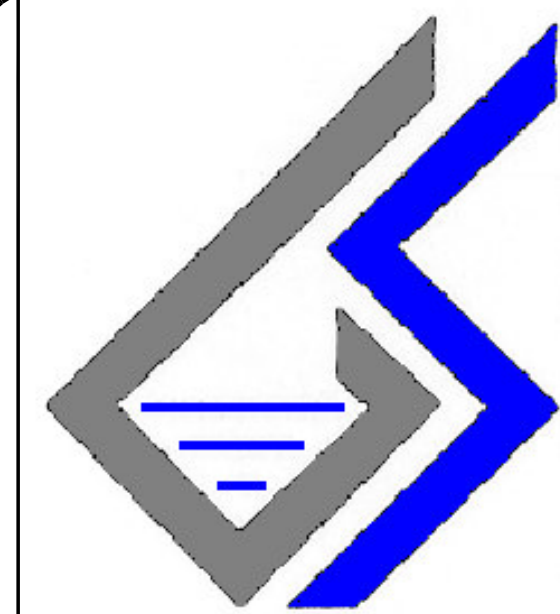
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- SPLICING OF POSTS, BEAMS, RAILING, AND JOISTS IS NOT ACCEPTABLE.
- ALL STRUCTURES SHALL BE STAKED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
- ALL ELEMENTS ARE SUBJECT TO CHANGE DUE TO EXISTING SITE CONDITIONS.
- ALL TIMBER AND FASTENERS OTHER THAN PILING TO BE TREATED PER ARCHITECTS SPECIFICATIONS.
- ON LONG RUNS OF BRIDGES/BOARDWALKS AND RAMPS CHANGES IN ALIGNMENT (I.E. BENDS) MAY BE NECESSARY TO AVOID MAJOR VEGETATION AND/OR OTHER LAND FEATURES OR TO BETTER FIT THE SITE. THOSE CHANGES ARE AT NO COST TO THE OWNER.



NOTE: PILING TO BE DRIVEN AS PER OTHER BENT FOOTINGS AND PER GEOTECHNICAL REQUIREMENTS.

ABUTMENT AT END DETAIL
(BOTH ENDS SIMILAR)



No. Revision/Issue Date

Owner
City of Columbia c/o
Kenneth B. Simmons
& Assoc. LLC
3135 Millwood Avenue
Columbia, S.C. 29205
Phone: (803) 254-3791

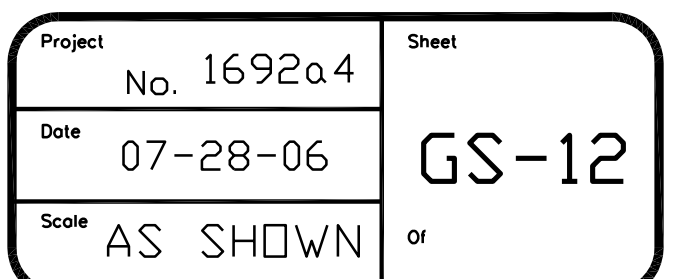
Project Name and Address
Three Rivers
Greenway
Bridge Sites
#10 And #11
Site Located In
Columbia, South Carolina

Firm Name and Address
GEO-SYSTEMS
DESIGN & TESTING,
INC.
Post Office Box 2656
W. Columbia, SC 29171
Phone: (803) 791-7528




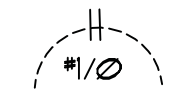
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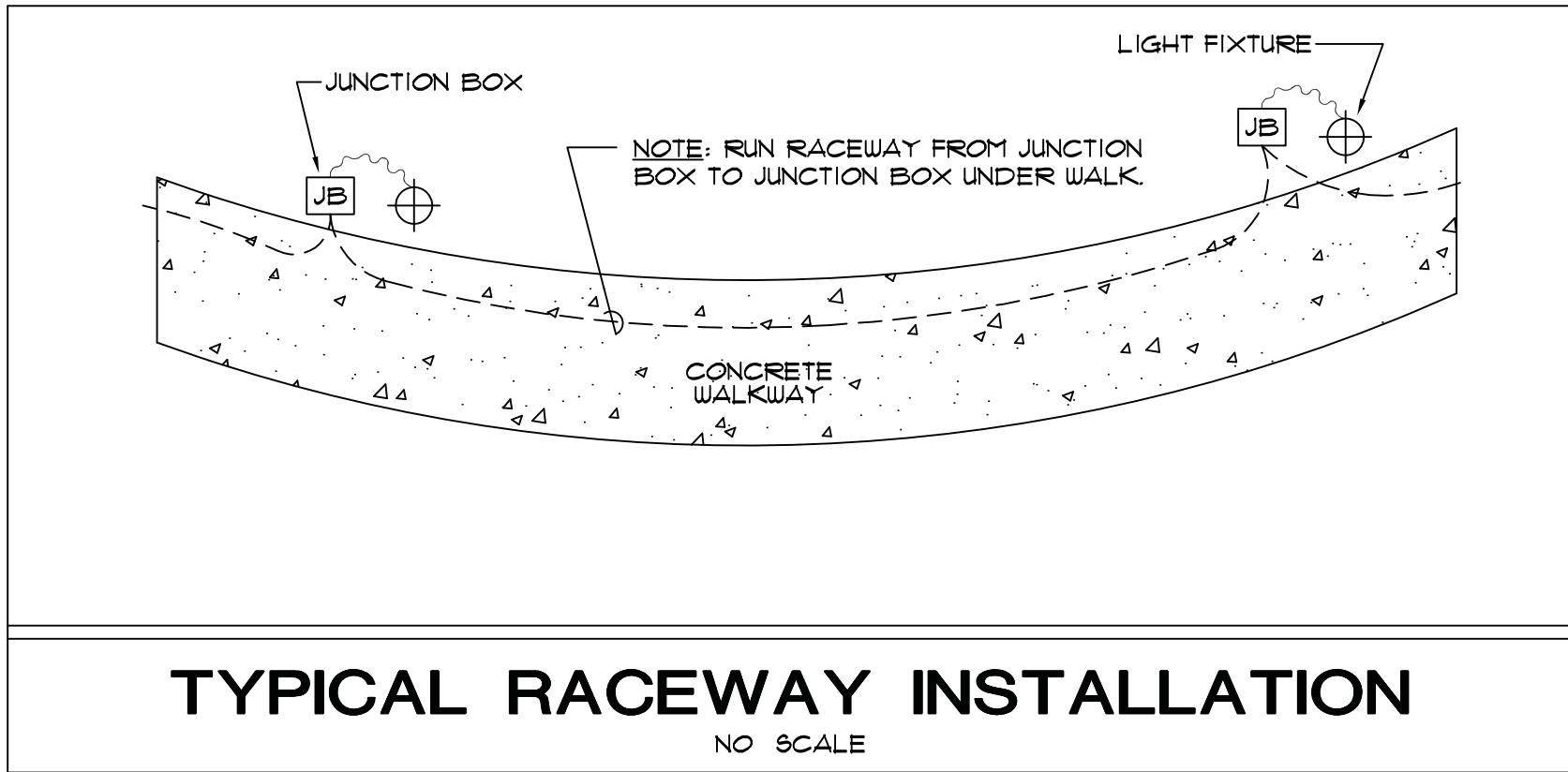
Title
Details

Project No. 1692a4
Date 07-28-06
Scale AS SHOWN
Sheet
GS-11
or



SPECIFICATIONS	
1 -	INSTALLATION SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE NFPA 70-2011 AND IBC 2012
2 -	APPLY AND PAY FOR ALL PERMITS.
3 -	ALL MATERIALS SHALL BE NEW WITH THE UL LABEL..
4 -	THE CONTRACTOR SHALL VISIT THE JOB SITE BEFORE SUBMITTING A BID AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
5 -	ALL WIRING SHALL BE COPPER, THW, THWN OR XHHW IN RACEWAY.
6 -	MAIN SERVICE RACEWAY SHALL BE RIGID METAL CONDUIT UNDERGROUND BRANCH CIRCUIT RACEWAY SHALL BE P.V.C.
11 -	GROUND MAIN SERVICE TO GROUND RODS. ALL EXPOSED NON-CURRENT CARRYING METALLIC PARTS OF THE ELECTRICAL SYSTEM SHALL BE GROUNDED.
12 -	THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP FOR ONE YEAR FROM DATE OF ACCEPTANCE.

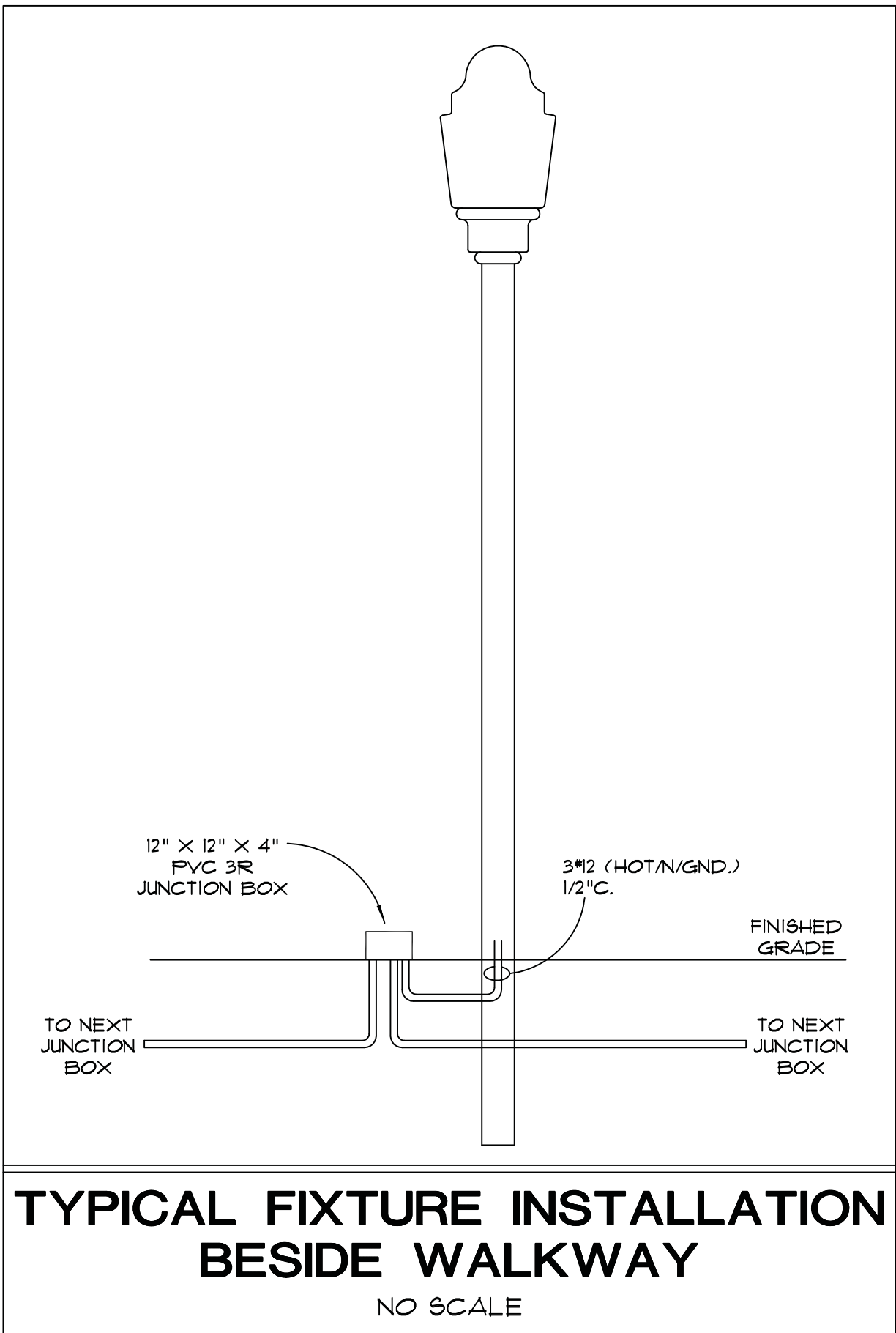
ELECTRICAL SYMBOLS	
	POST LIGHT. HOLOPHANE *3VD 80 BK AS M B 3 N N B (NO FINIAL) FIXTURE. INSTALL A SHAKESEARE *B018-0INI-BE13 DIRECT EMBEDDED TAPERED FIBERGLASS POLE.
	35' CLASS III PRESSURE CREOSOTED SERVICE POLE BY THE ELECTRICAL CONTRACTOR IN EIGHT LOCATIONS.
	COMBINATION PANEL/METER. SEE POWER RISER DIAGRAMS.
	P.V.C. RACEWAY RUN MINIMUM OF 30" BELOW FINISH GRADE. CROSSLINES DENOTE NUMBER OF PHASE CONDUCTORS. INSTALL CODE SIZED GROUNDING CONDUCTOR IN ALL BRANCH CIRCUIT RACEWAY. SUBSCRIPT DENOTES CONDUCTOR SIZE.



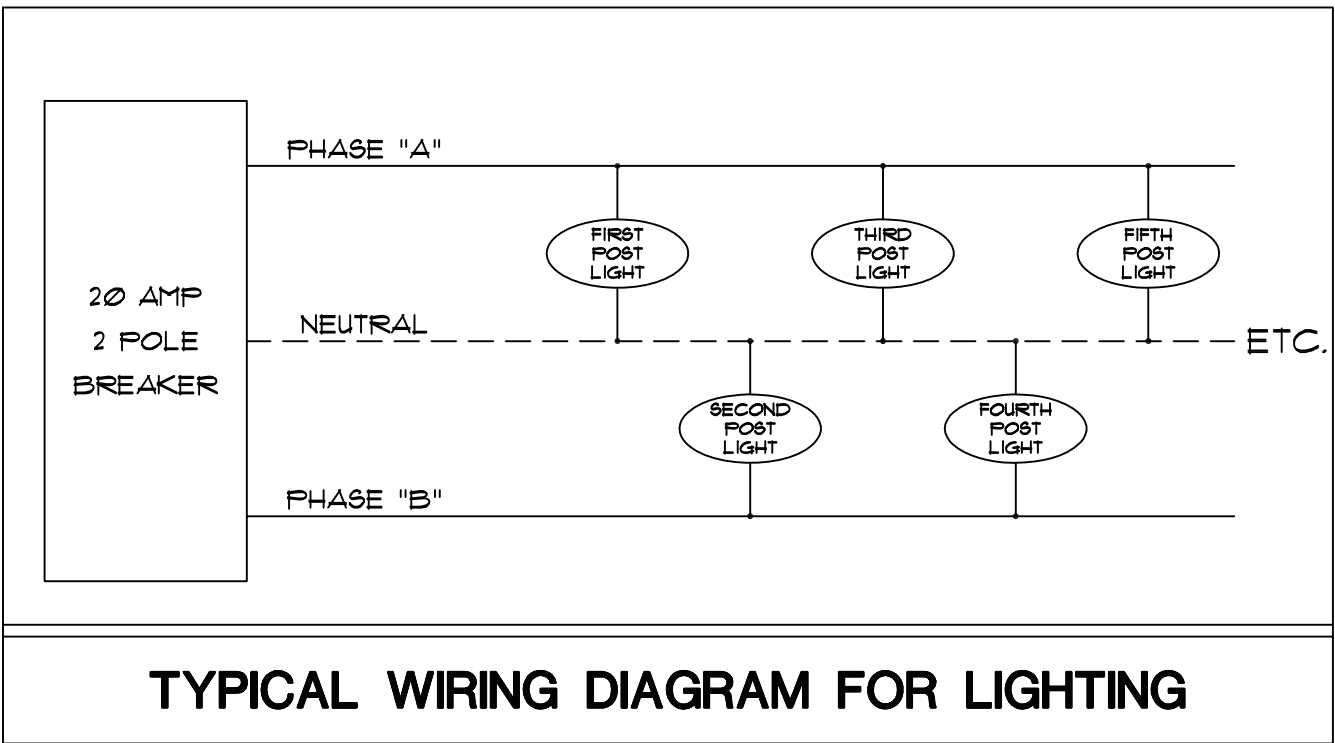
TYPICAL RACEWAY INSTALLATION
NO SCALE

SCHEDULE FOR 100 AMP PANEL							
MOUNTING	SURFACE MOUNTED		120 / 240		VOLTAGE		
BUS SIZE	100 AMPS		SINGLE PHASE / THREE WIRE		WIRING		
TYPE	LOADCENTER		1-100/2 MAIN BREAKER		MAINS		
CKT	DESCRIPTION	AMPS	POLE	POLE	AMPS	DESCRIPTION	CKT
1	LIGHTS	20	2	2	20	LIGHTS	2
3	LIGHTS	20	2	2	20	SPARE	4
9	SPARE	20	1	1	20	SPARE	10
11	SPARE	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16

SCHEDULE FOR 200 AMP PANEL							
MOUNTING	SURFACE MOUNTED		120 / 240		VOLTAGE		
BUS SIZE	200 AMPS		SINGLE PHASE / THREE WIRE		WIRING		
TYPE	LOADCENTER		1-200/2 MAIN BREAKER		MAINS		
CKT	DESCRIPTION	AMPS	POLE	POLE	AMPS	DESCRIPTION	CKT
1	LIGHTS	20	2	2	20	LIGHTS	2
3	LIGHTS	20	2	2	20	LIGHTS	4
5	LIGHTS	20	2	2	20	LIGHTS	6
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	BUILDING	100	2	2	100	BUILDING	22
23						AREA "D" ONLY	24



TYPICAL FIXTURE INSTALLATION
BESIDE WALKWAY
NO SCALE



EMERGENCY WIRELESS CALL BOXES	
THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID WIRELESS CALL BOXES. BOXES ARE OBTAINED FROM RCS COMMUNICATIONS GROUP, 800 MEGAHERTZ DRIVE, WINSTON-SALEM, NORTH CAROLINA, 27107. UNITS SHALL BE *C24-14A-5C AC WIRELESS WITH STROBE LIGHT ASSEMBLY AND SHALL INCLUDE THE FOLLOWING: COR PROGRAMMED AND ENABLED CUSTOM DECALS EXTERNAL KEYED ON/OFF SWITCH BASE STATION EQUIPMENT WITH OPTIONS REQUIRED BY THE COLUMBIA POLICE DEPARTMENT. ALL WIRING AND CONDUIT SHALL BE INSTALLED TO POWER CALL BOXES.	

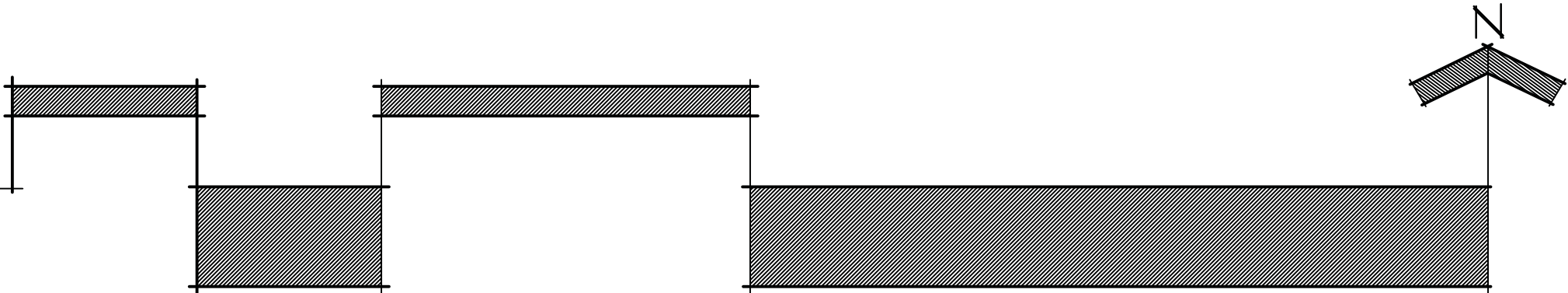
CALL BOX REVISION NOTES ADDED BY
KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

EMERGENCY CALL BOXES ADDITIONAL NOTES:
CALL BOXES REQUIRE 24 HOUR DEDICATED POWER. BOX LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. FINAL LOCATIONS WILL BE DETERMINED WITH GUIDANCE FROM THE CITY OF COLUMBIA POLICE DEPARTMENT. CONTRACTOR TO PROVIDE ALL MATERIALS AND LABOR FOR RADIO INSTALLATION. RADIO PROGRAMMING WILL BE THE RESPONSIBILITY OF THE CITY OF COLUMBIA. (REVISED_2/1/2017)

DATE	03/10/15
PROJ. NO.	1692-A4
DRAWN	TFM
CHECKED	JRW
REVISIONS	

SALUDA RIVERWALK

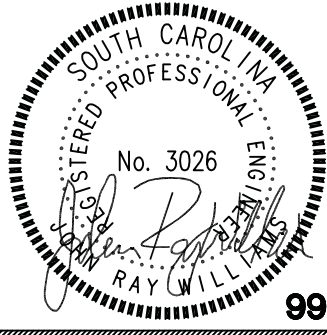
A COMPONENT OF THE
THREE RIVERS GREENWAY



K&S
Kenneth B. Simmons Associates
landscape architecture & planning
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Columbia, South Carolina 29205

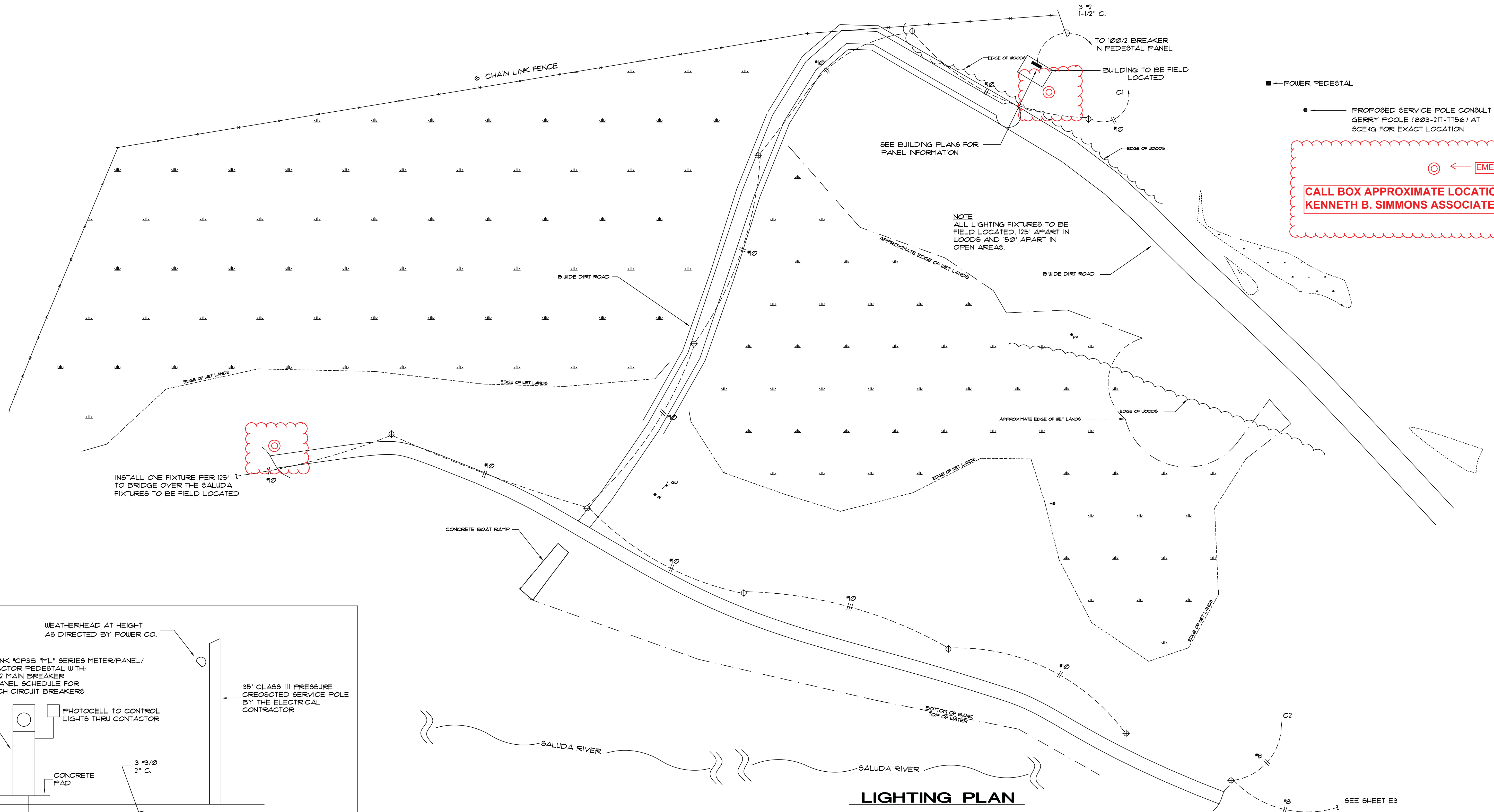
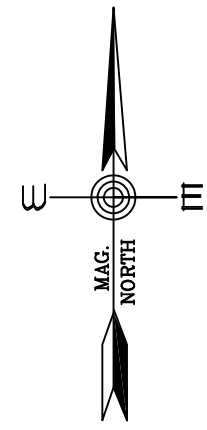
REVISED 16 DEC 2015
ADD CALL BOXES

John Ray Williams, PE
CONSULTING ELECTRICAL ENGINEER
6012 INDIAN MOUND ROAD
COLUMBIA, SOUTH CAROLINA
PHONE: (803) 315-9252 EMAIL: jwilliams@sc.rr.com

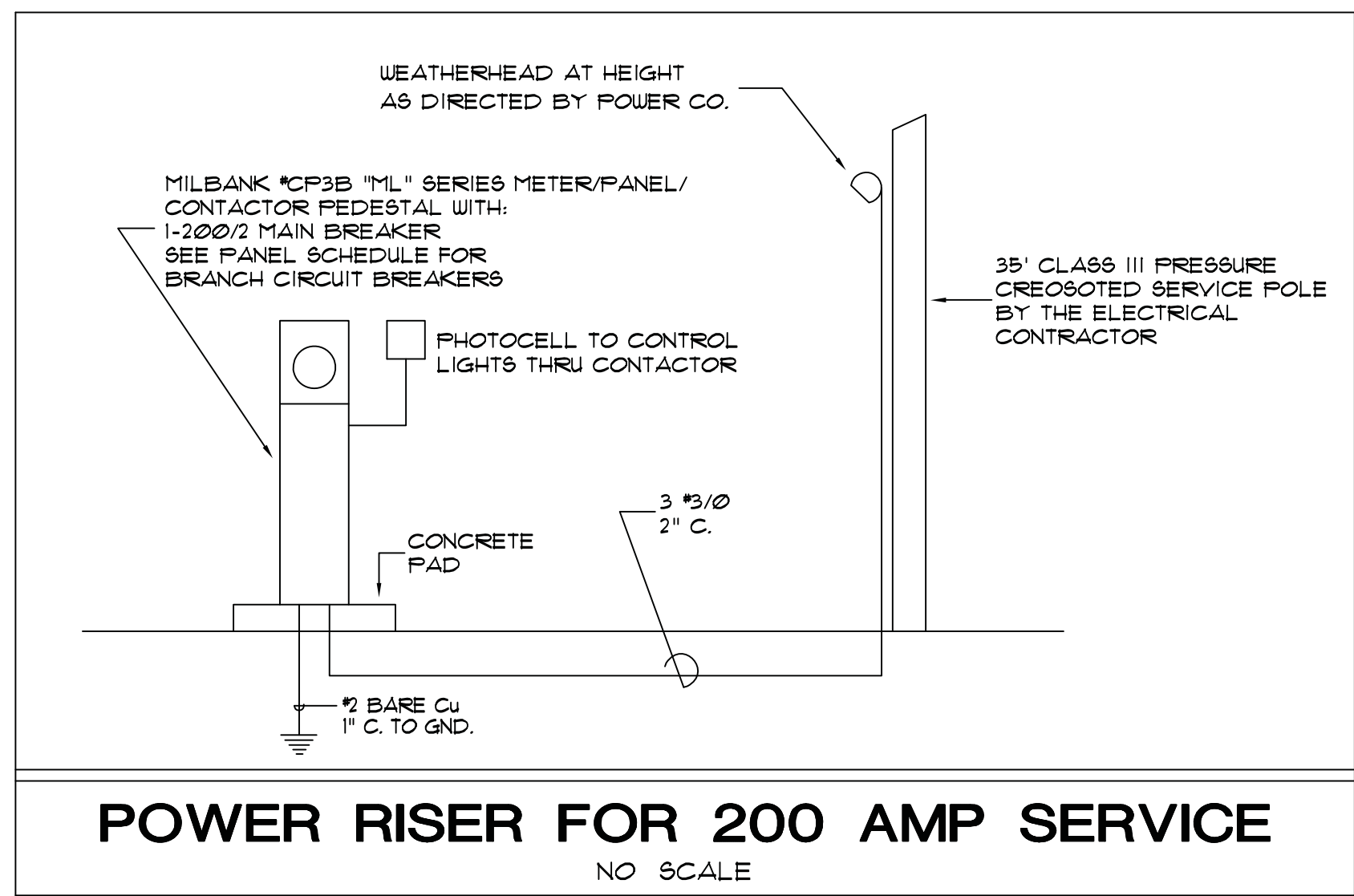


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of 9

ELECTRICAL



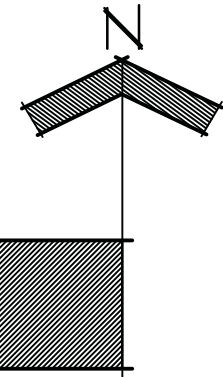
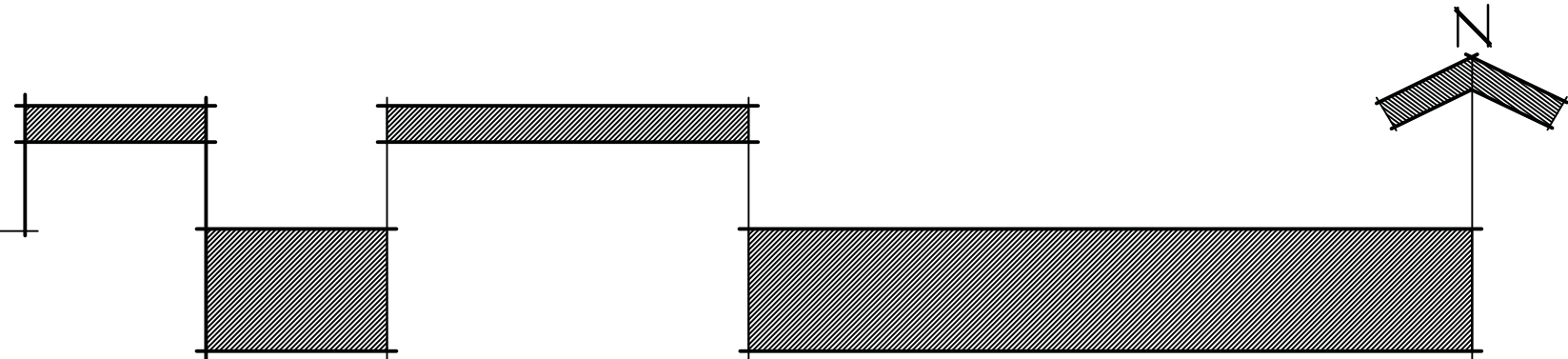
CALL BOX APPROXIMATE LOCATIONS ADDED BY
KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017



**LIGHTING PLAN
AREA "D"**
SCALE: 1" = 30' +/-

DATE	03/10/15
PROJ. NO.	16-02-A4
DRAWN	TEM
CHECKED	JRW
REVISIONS	

SALUDA RIVERWALK
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REGISTERED PROFESSIONAL ENGINEER
No. 3026
RAY WILLIAMS
99-119

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of 9

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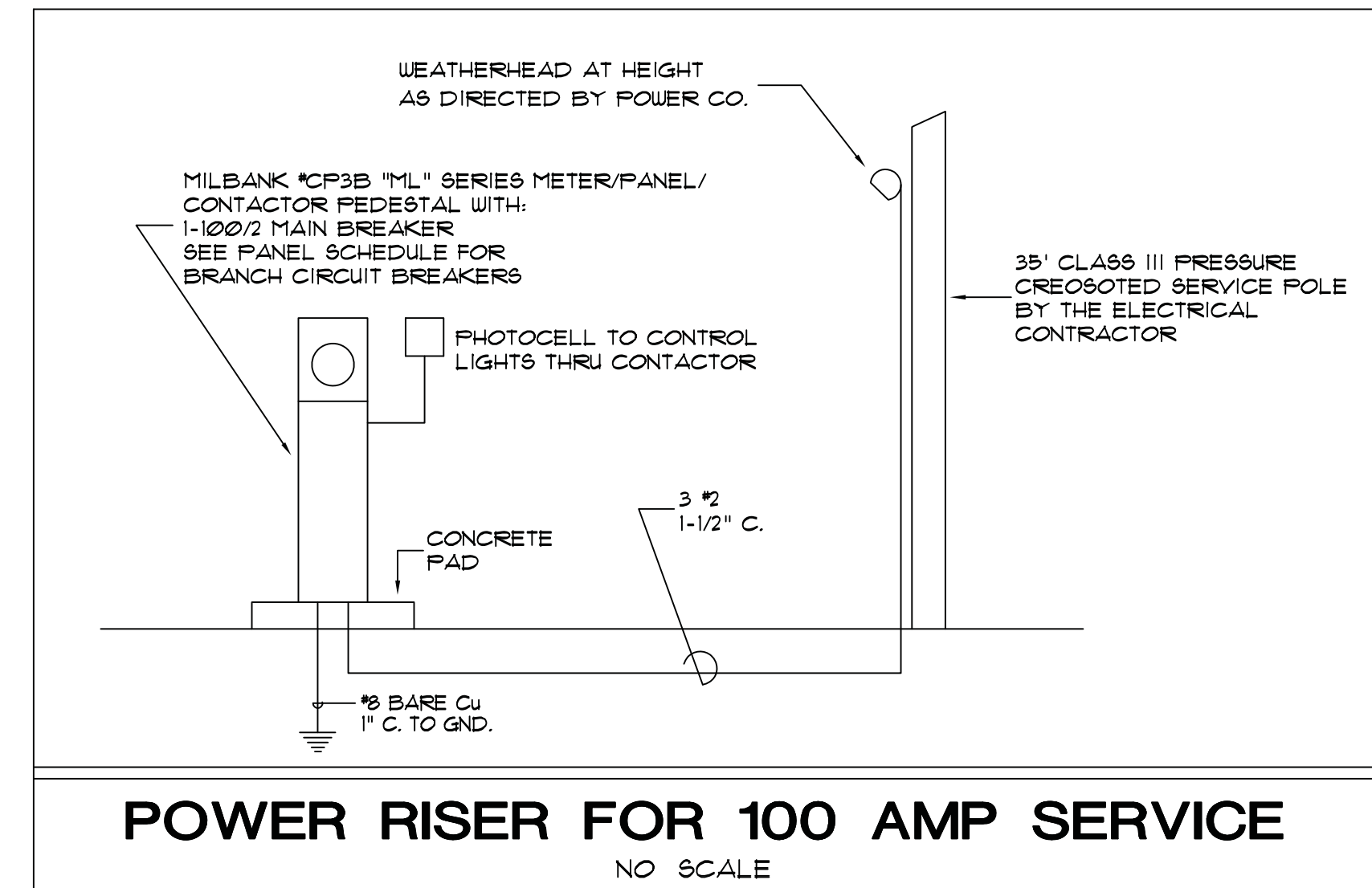
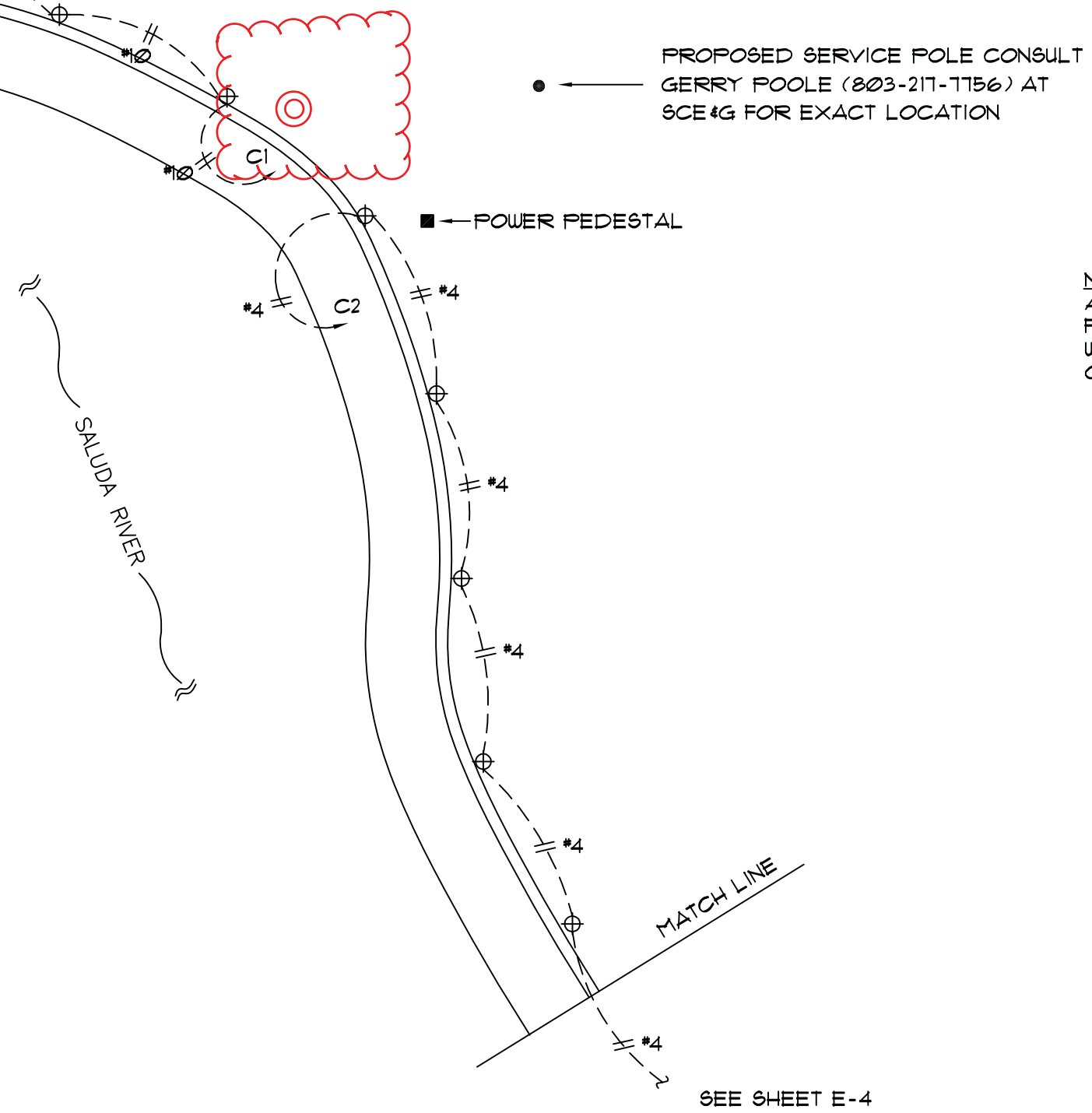
SEE SHEET E2

LIGHTING PLAN
AREA "E"

SCALE: 1" = 100' +/-

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A COMPONENT OF THE
THREE RIVERS GREENWAY

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PROJ. NO.	16-02-A4
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CALL BOX APPROXIMATE LOCATIONS ADDED BY
KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

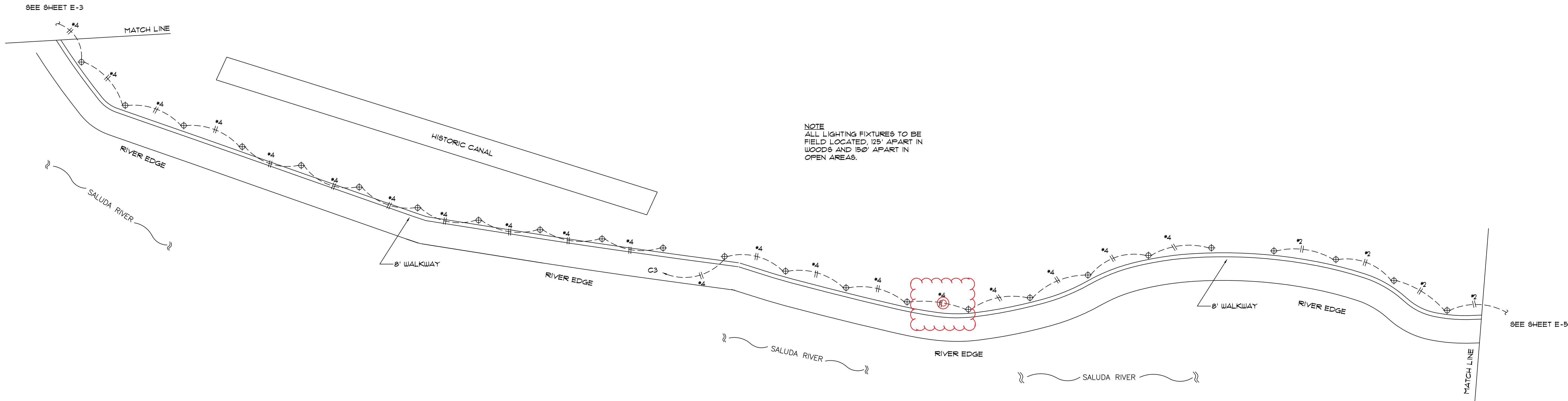
John Ray Williams, PE
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REGISTERED PROFESSIONAL
No. 3026
JOHN RAY WILLIAMS
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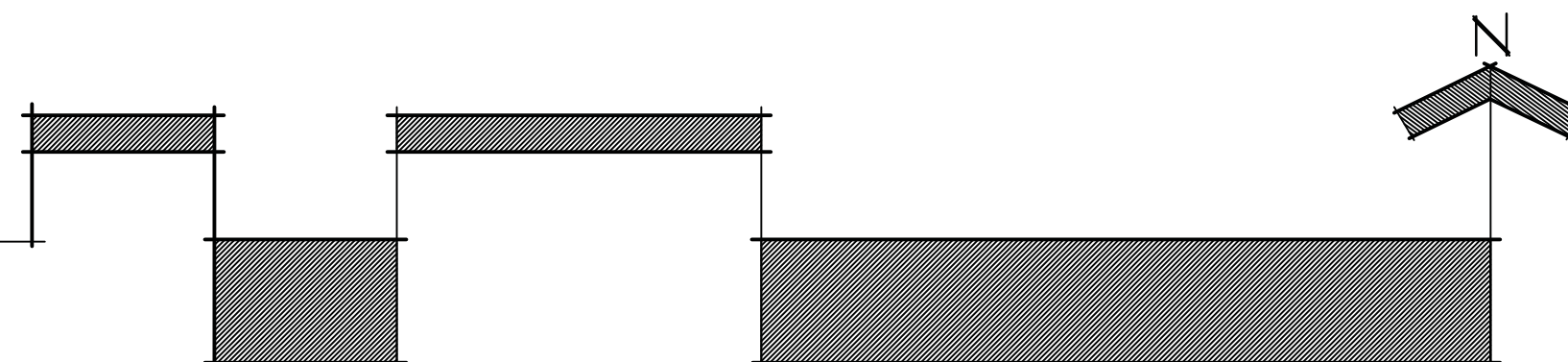


LIGHTING PLAN
AREA "F"
SCALE: 1" = 100' +/-

DATE	03/10/15
PROJ. NO.	16-02-A4
DRAWN	TEM
CHECKED	JRW
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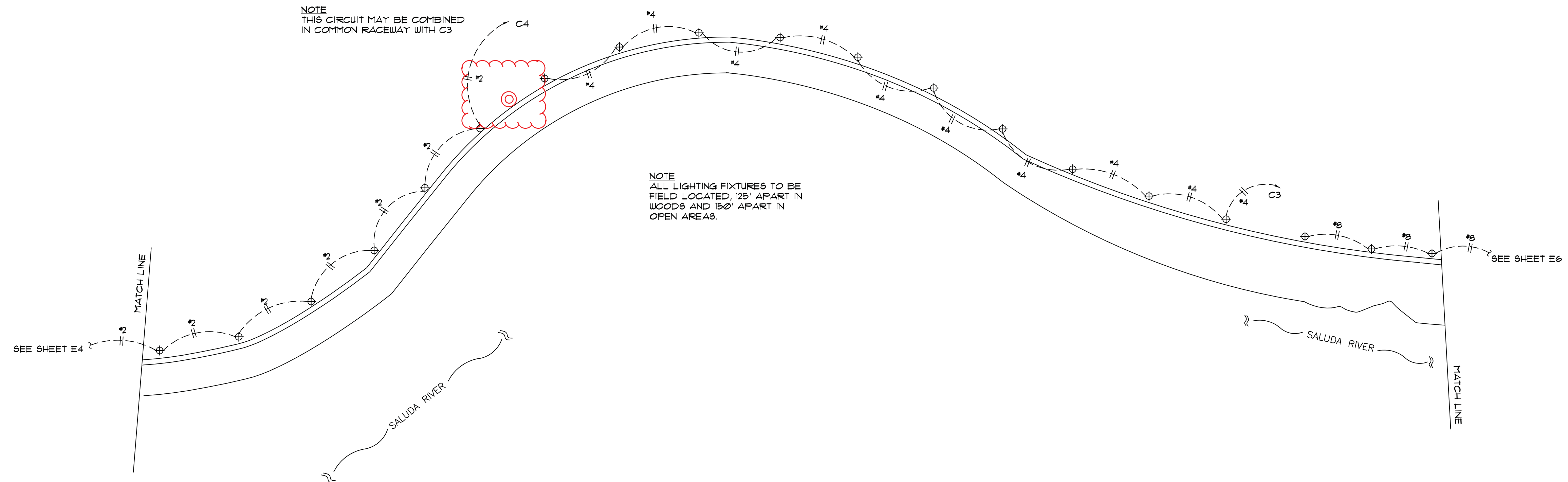


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CALL BOX APPROXIMATE LOCATIONS ADDED BY
KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

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REGISTERED PROFESSIONAL
No. 3026
RAY WILLIAMS
99-119



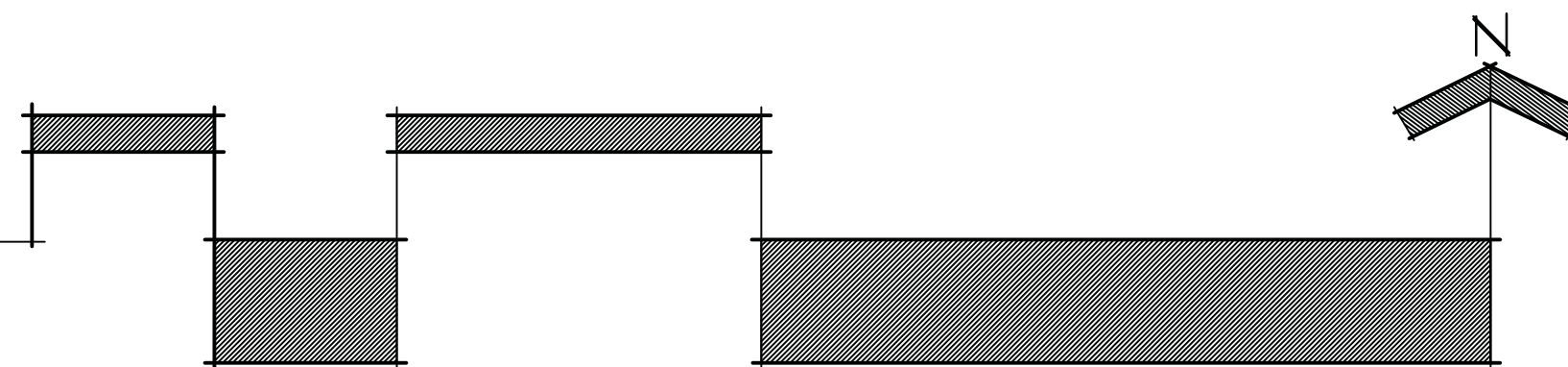
LIGHTING PLAN
AREA "G"
SCALE: 1" = 100' +/-

CALL BOX APPROXIMATE LOCATIONS ADDED BY
KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

DATE	03/10/15
PROJ. NO.	16-02-A4
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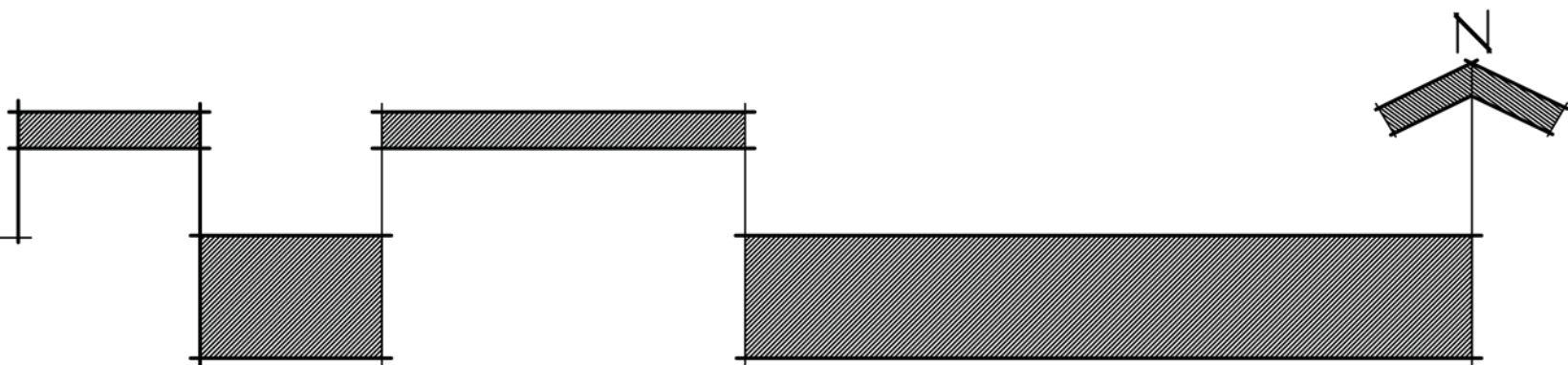
REGISTERED PROFESSIONAL ENGINEER
No. 3026
RAY WILLIAMS

99-119

10-20-2016 REVISED PARKING LOT LAYOUT

DATE	03/10/15
PROJ. NO.	16-02-44
DRAWN	TFM
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SALUDA RIVERWALK A COMPONENT OF THE THREE RIVERS GREENWAY



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landscape architecture & planning

3135 Millwood Avenue

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John Ray Williams, PE

CONSULTING ELECTRICAL ENGINEER

6012 INDIAN MOUND ROAD

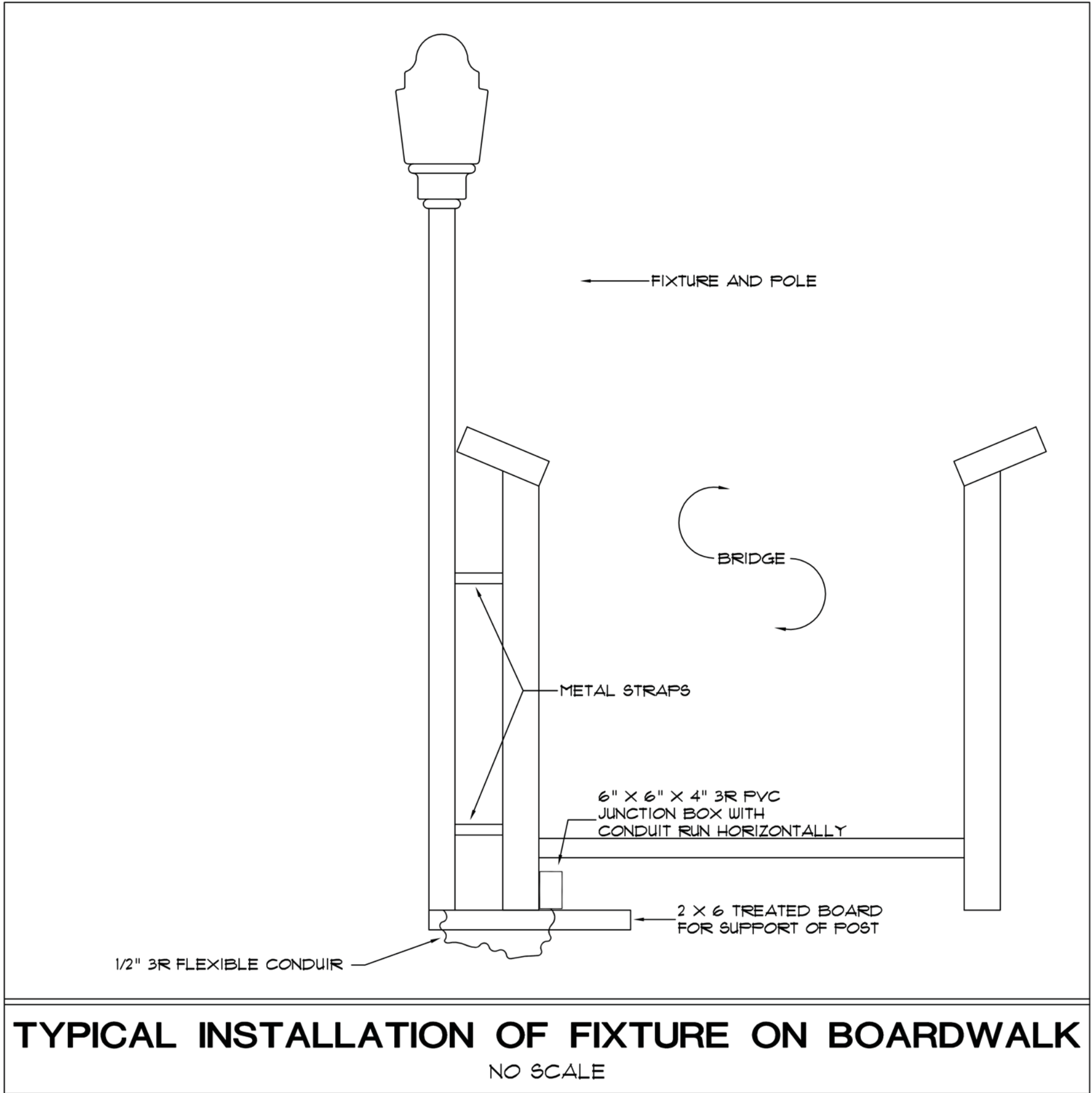
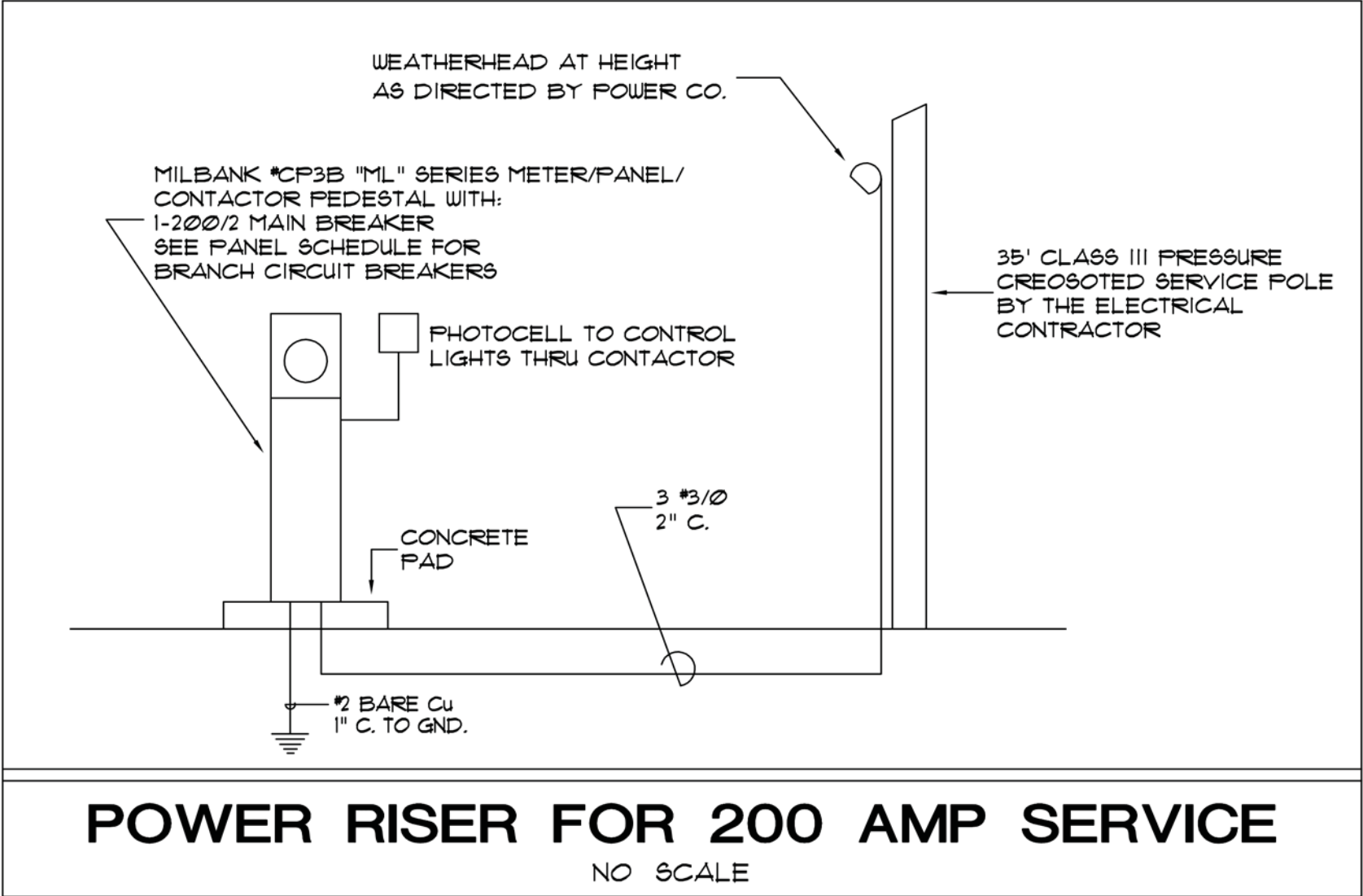
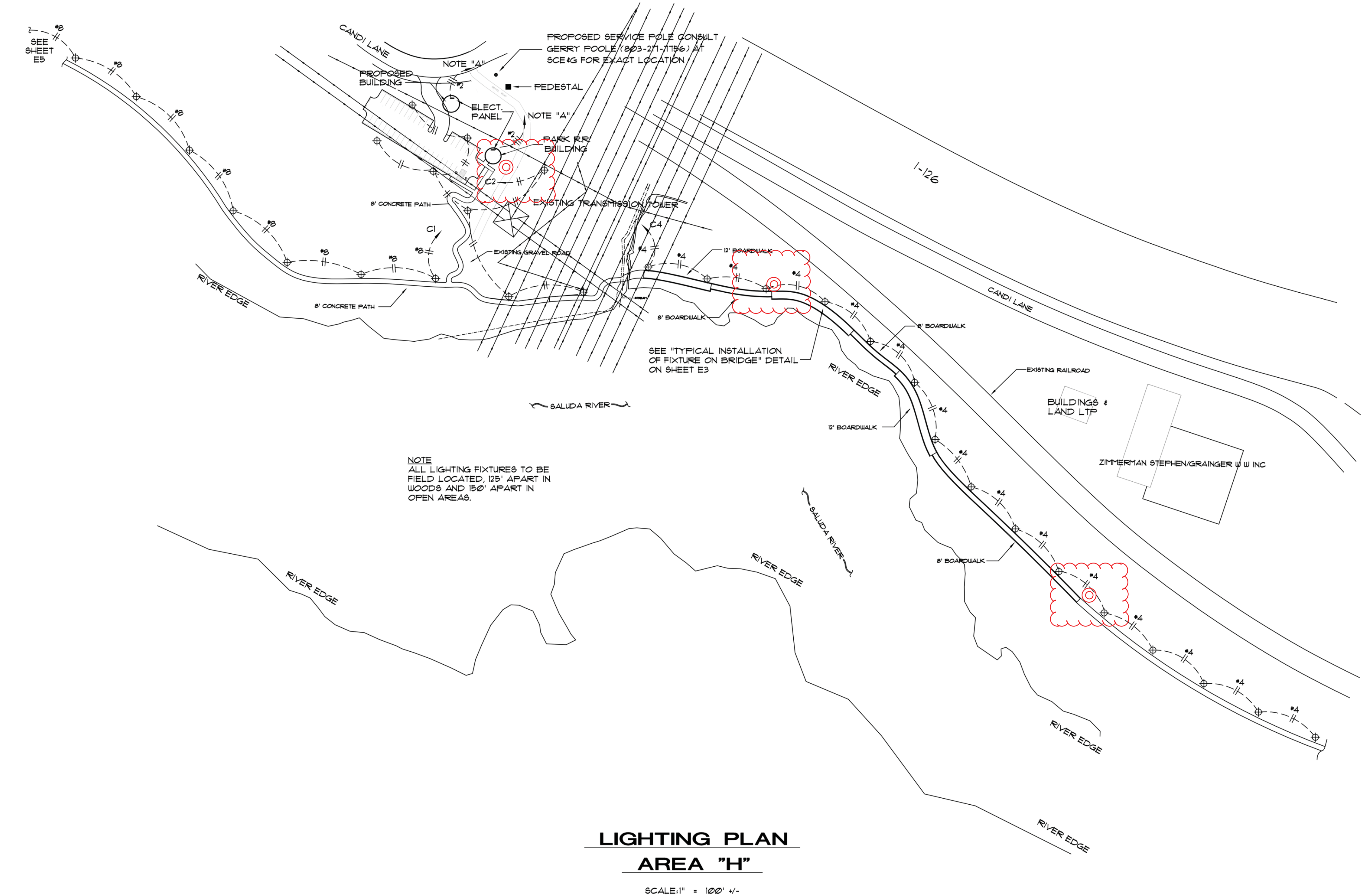
COLUMBIA, SOUTH CAROLINA

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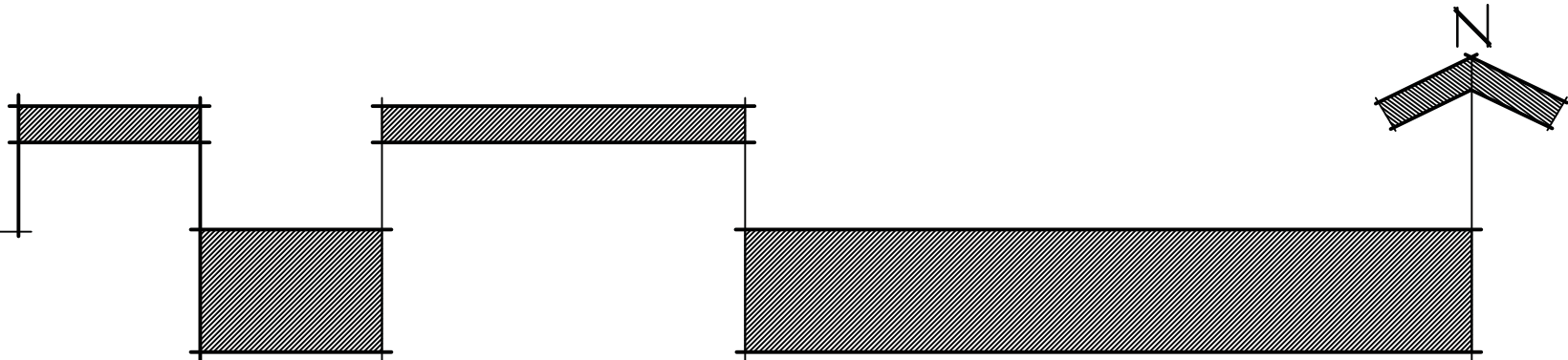


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CALL BOX APPROXIMATE LOCATIONS ADDED BY KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

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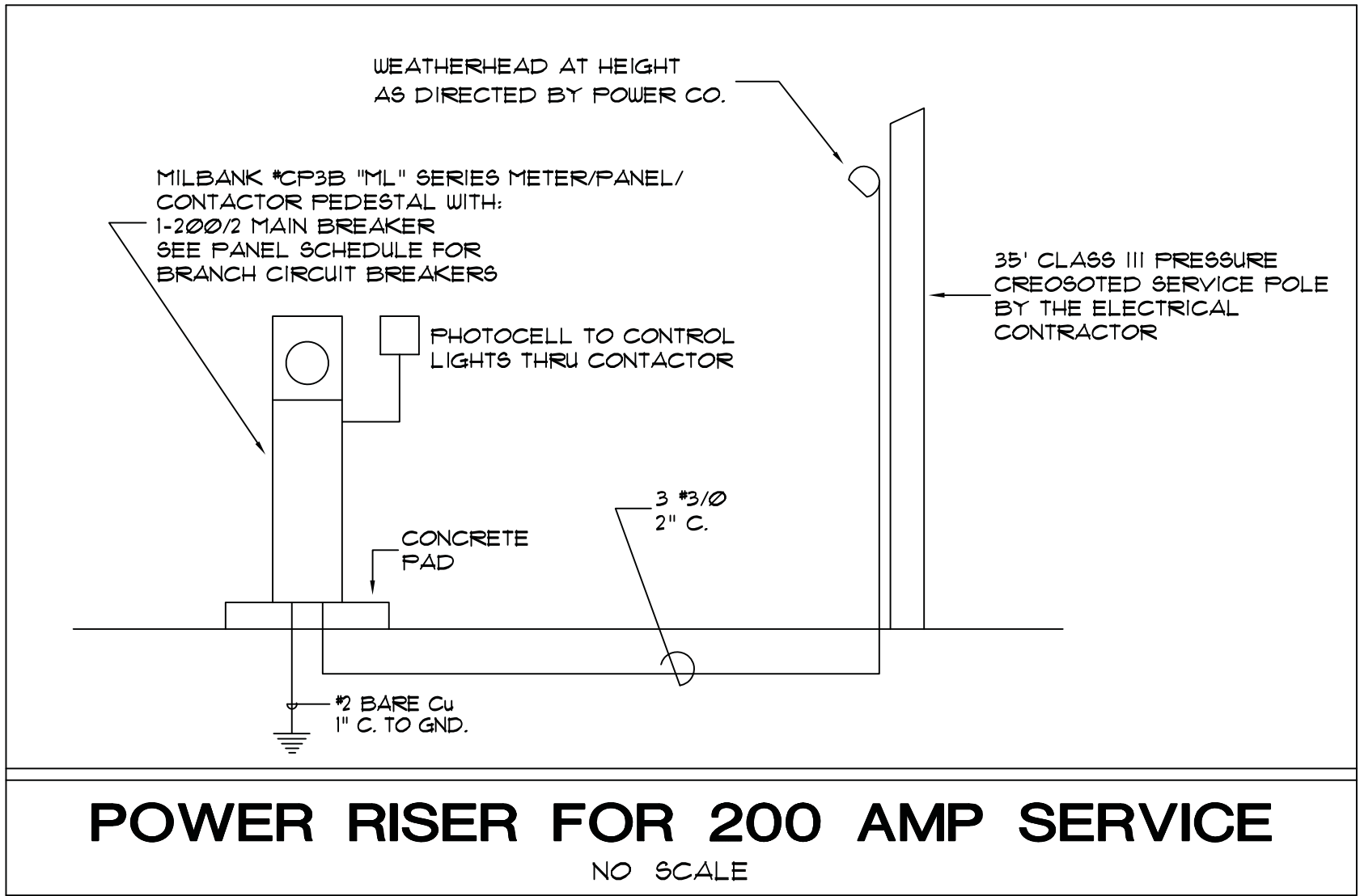
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of 9

LIGHTING PLAN

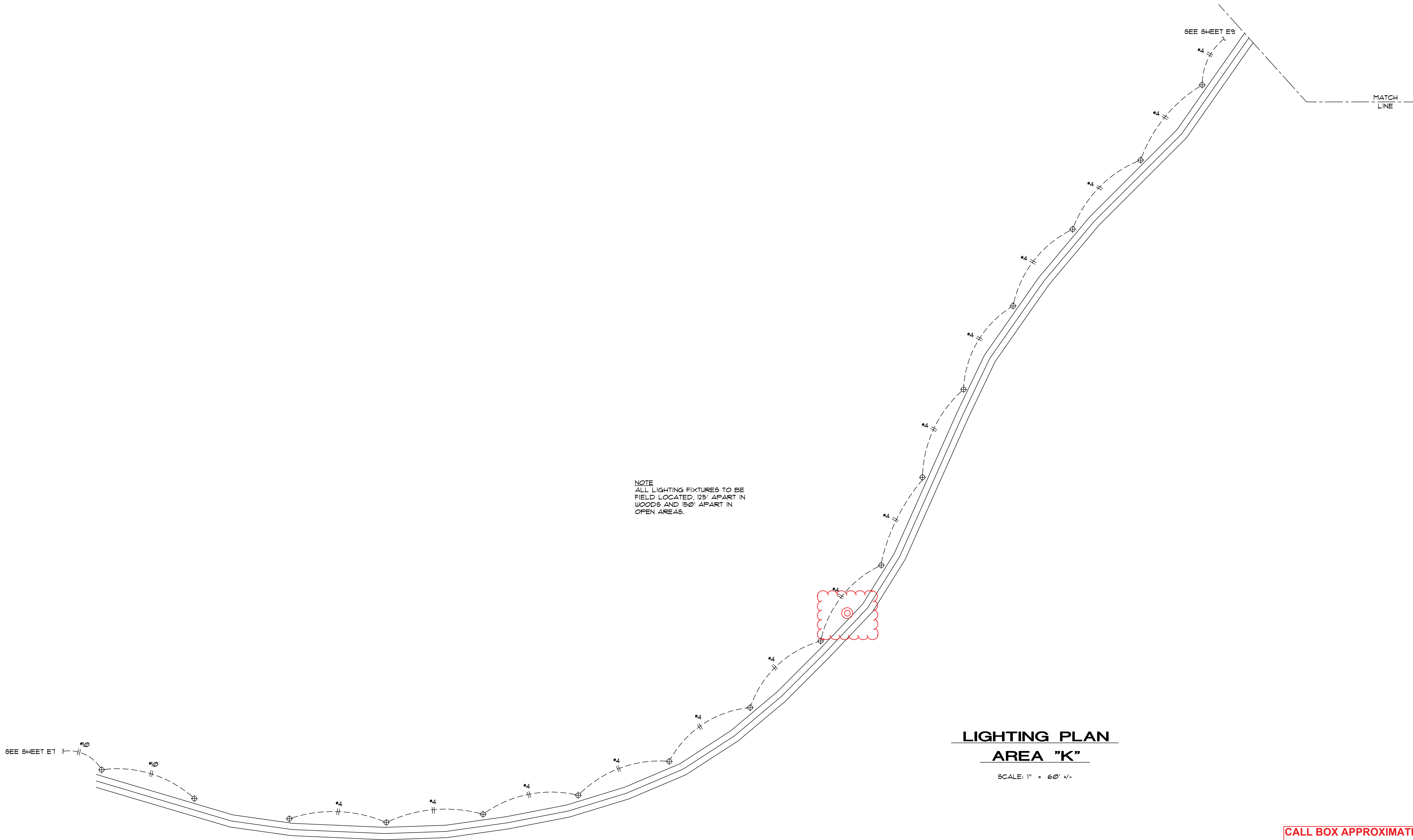
AREA "J"

SCALE: 1" = 50' +/-



CALL BOX APPROXIMATE LOCATIONS ADDED BY KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

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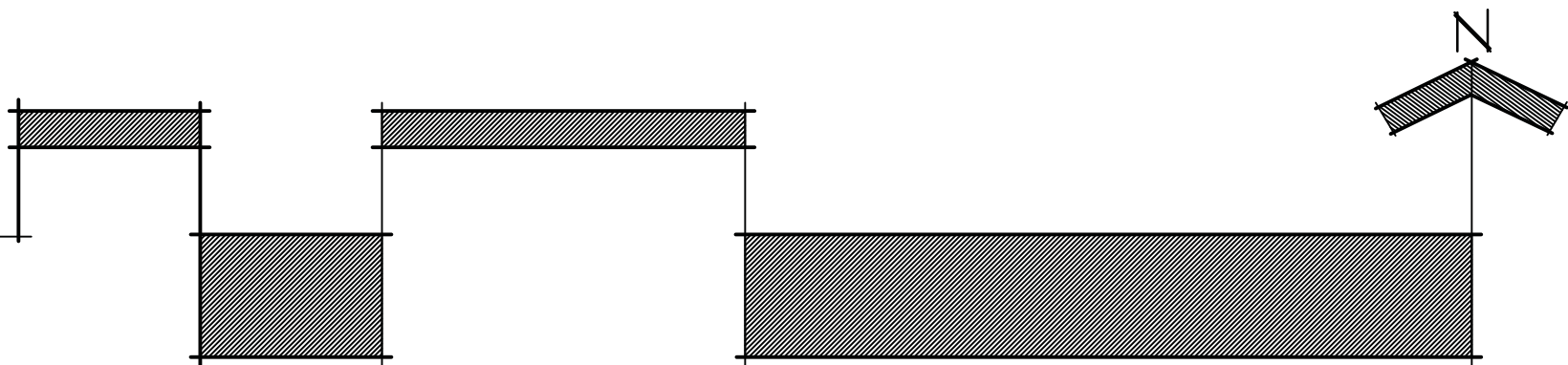
NOTE
ALL LIGHTING FIXTURES TO BE
FIELD LOCATED, 125' APART IN
WOODS AND 150' APART IN
OPEN AREAS.

**LIGHTING PLAN
AREA "K"**

SCALE: 1" = 60' +/-

DATE	03/10/15
PROJ. NO.	16-02-A4
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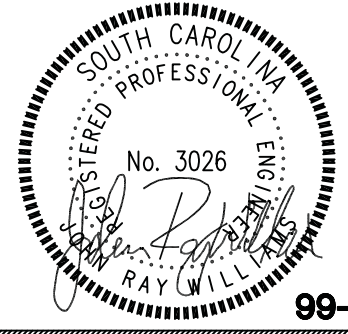
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landscape architecture & planning
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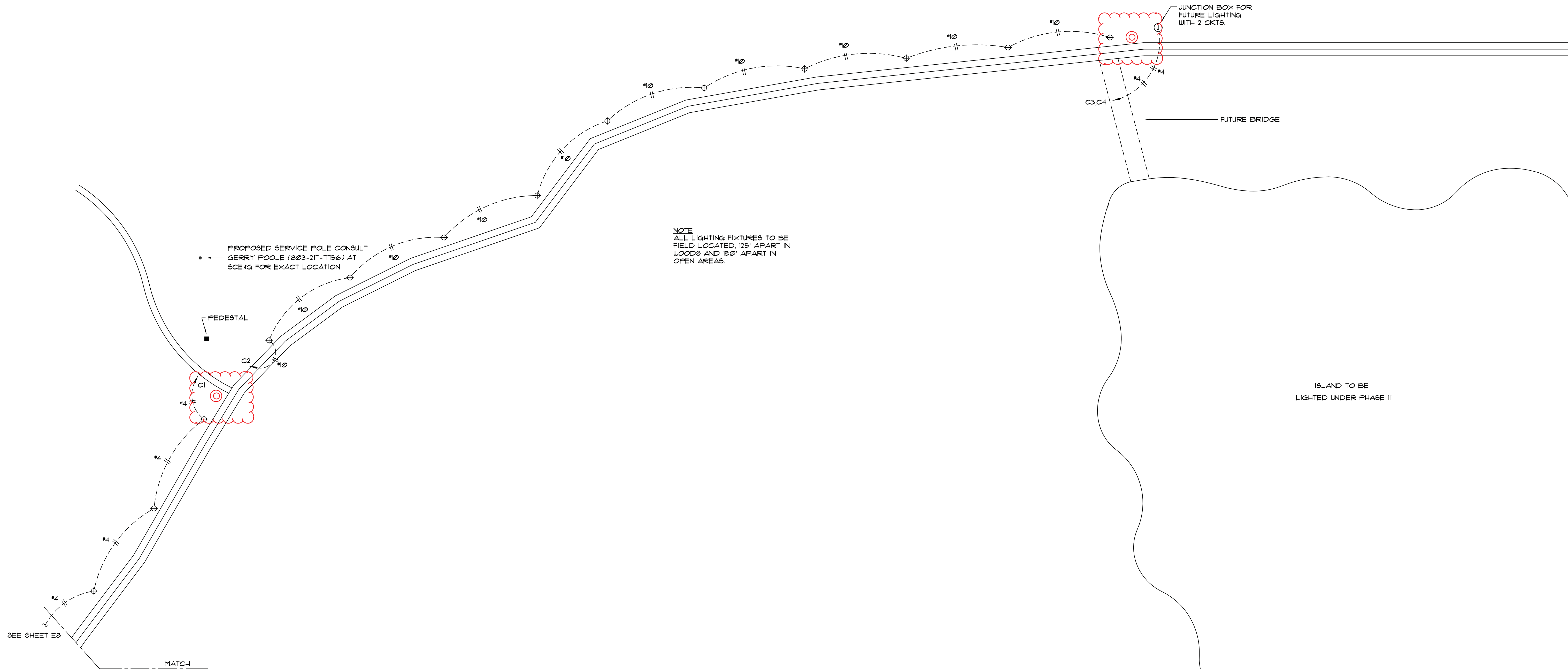
CALL BOX APPROXIMATE LOCATIONS ADDED BY
KENNETH B. SIMMONS ASSOCIATES ON 2/1/2017

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99-119

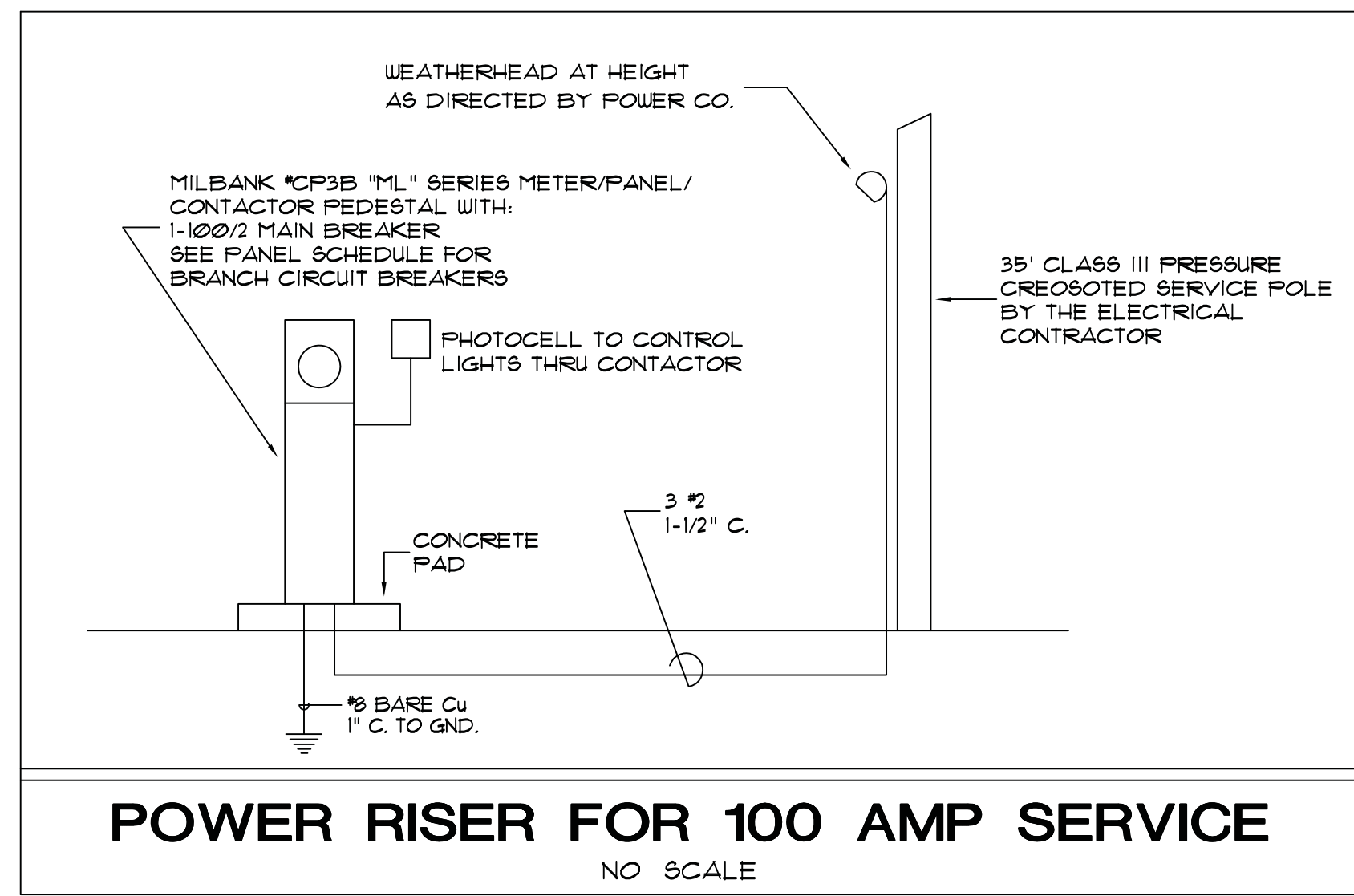
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E-8
of 9

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SEE SHEET E8

MATCH LINE



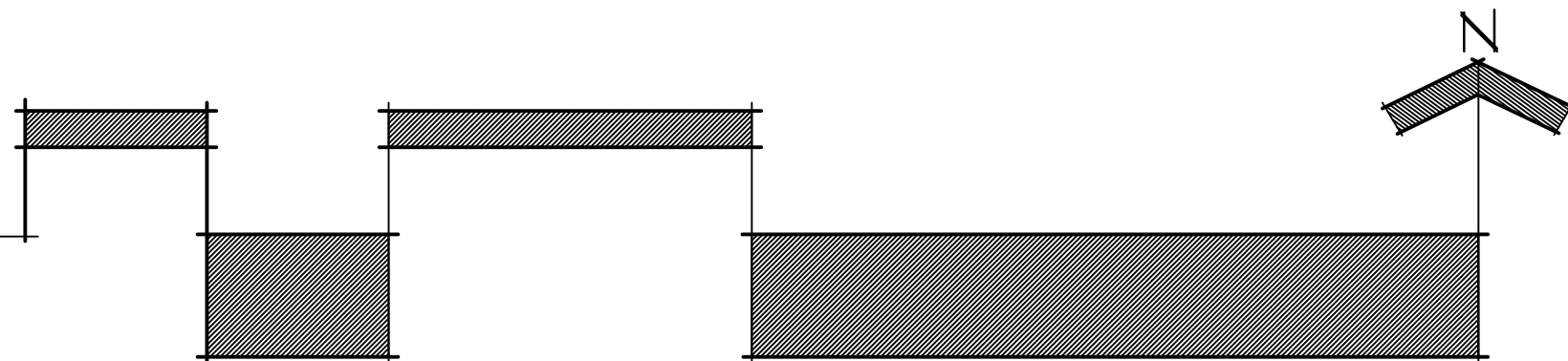
LIGHTING PLAN AREA "L"

SCALE: 1" = 60' +/-

DATE	03/10/15
PROJ. NO.	16-02-A4
DRAWN	TEM
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SALUDA RIVERWALK

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SALUDA RIVERWALK

(3) COMFORT STATIONS AND (1) PARK RANGER & FIRE DEPARTMENT FACILITY

SCOPE OF WORK

BUILDING CODE ANALYSIS

A – "GREEN" FLOATABLE COMPOSTING COMFORT STATION

PHYSICAL CHARACTERISTICS OF THE BUILDING:

- A- ENCLOSED AREA = 14'-4" X 16' =229 SQ FT
- B- TWO COVERED PORCHS 4'X5' = 40 SF
- C- BUILDING HEIGHT = 16'-0" EAVE HGT, 21'-8" TO ROOF RIDGE
- D- NUMBER OF STORIES - ONE
- E- SEPARATION DISTANCES (SEE LANDSCAPE DRAWINGS)
- F- WOOD FRAMED, COMPOSITION SHINGLE ROOFING, LAP CEDAR SIDING, SLAB ON GRADE

B – STANDARD COMFORT STATION AT RAPIDS PARKING AREA

PHYSICAL CHARACTERISTICS OF THE BUILDING:

- A- ENCLOSED AREA = 22'X14' = 308 SQ FT
- B- PORCH 6' X 22' = 132 SQ FT
- C- BUILDING HEIGHT = 8'-6" EAVE HGT, 14'-8" TO ROOF RIDGE
- D- NUMBER OF STORIES - ONE
- E- SEPARATION DISTANCES (SEE LANDSCAPE DRAWINGS)
- F- WOOD FRAMED, CEDAR SHAKE ROOFING, LAP CEDAR SIDING, SLAB ON FILL

C1 – STANDARD COMFORT STATION AT ZOO PICNIC AREA

PHYSICAL CHARACTERISTICS OF THE BUILDING:

- A- ENCLOSED AREA = 22'X14' = 308 SQ FT
- B- PORCH 6' X 22' = 132 SQ FT
- C- BUILDING HEIGHT = 8'-6" EAVE HGT, 14'-8" TO ROOF RIDGE
- D- NUMBER OF STORIES - ONE
- E- SEPARATION DISTANCES (SEE LANDSCAPE DRAWINGS)
- F- WOOD FRAMED, CEDAR SHAKE ROOFING, LAP CEDAR SIDING, SLAB ON FILL

C2 – PARK RANGER & FIRE DEPARTMENT FACILITY

PHYSICAL CHARACTERISTICS OF THE BUILDING:

- A- ENCLOSED AREA = 30'X26' (+)40'X 26' (+) 10'X16'= 1,980 SQ FT
- B- COVERED CONF AREA 15' X 16' = 240 SQ FT
- C- BUILDING HEIGHT = 10'-0" EAVE HGT, 21'-8" TO ROOF RIDGE
- D- NUMBER OF STORIES - ONE
- E- SEPARATION DISTANCES (SEE LANDSCAPE DRAWINGS)
- F- WOOD FRAMED, COMPOSITION SHINGLE ROOFING, LAP CEDAR SIDING, SLAB ON FILL

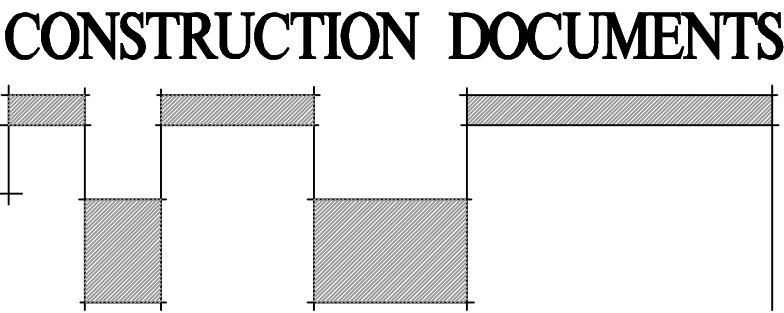
2012 IBC BUILDING CODE SYNOPSIS

- 1- OCCUPANCY CLASSIFICATION - U - UTILITY
- 2- PHYSICAL CHARACTERISTICS OF THE BUILDING:
(SEE ADJACENT DESCRIPTION OF EACH BUILDING)
- 3- TYPE OF CONSTRUCTION V-B (FIVE-B)
 - A- UNPROTECTED AND UNSPRINKLERED
 - B- MAX ALLOWED AREA TABLE 503- 5,500 SQ FT
 - C- MAX STORIES & HEIGHT ALLOWED TABLE 503- ONE STORY
- 4- SPECIFIC CONSTRUCTION REQUIREMENTS
 - A- TABLE 302.3.2 REQUIRED SEPARATION OF OCCUPANCIES - 2 HOURS BETWEEN VEHICLE STORAGE OF MAINT/SECURITY BUILDING & OFFICE
 - B- TABLE 601 - FIRE RATINGS FOR BUILDING ELEMENTS
NONE ON STRUCT FRAME, INT BEARING WALLS, NON BEARING WALLS, FLOORS, & ROOF
NONE ON EXTERIOR BEARING WALLS.
 - C- TABLE 803.4 INTERIOR WALL/ CEILING FINISHES BY OCCUPANCY
CLASS "A" IN VERTICAL EXITS (HAVE NONE), CLASS "B" IN HORIZ EXITS
AND CLASS "C" IN OTHER ROOMS & ENCLOSED SPACES
 - D- FLOOR FINISHES HAVE A MINIMUM CLASS II RADIANT FLUX
 - E- TABLE 1004.1.2 - MAXIMUM AREA ALLOWED PER OCCUPANT
NONE LISTED FOR UTILITY OCCUPANTS
 - F- EGRESS PER OCCUPANT SERVED - TABLE 1005.1
UNSPRINKLERED - 0.3 INCHES PER OCCUPANT IN STAIRS, 0.2 IN HORIZONTAL EXITS
NONE LISTED FOR UTILITY OCCUPANTS
 - G- SPECIFIC EGRESS REQUIREMENTS
 - A- SECTION 1008.1.1 - MIN SIZE OF EXIT DOOR 32" CLEAR
 - B- 1006.3 - EMER ILLUMINATION ON INTREIOR & EXTERIOR OF EXIT DISCHARGE
 - C- SECTION 1009.3 -MAX STEP RISER 7", MIN RISER 4", TREAD DEPTH SHALL BE 1"
 - D- SECTION 1009.11.2,6.3 - HANDRAIL BTWN 34 & 38" HIGH, BTWN 1.25 TO 2" THICK
 - H- SPECIFIC ACCESSIBILITY REQUIREMENTS
 - A- SECTION 1105.1 - A MIN. OF HALF OF ENTRANCES SHALL BE HC ACCESSIBLE
 - B- TABLE 1106.1 - HC PARKING PER TOTAL = 1 PER 25, 2 PER 50, 3 PER 75 ETC
 - C- SECTION 1110.1 - HC SIGNS AT PARKING SPACES, TOILETS, ETC

BIDDING NOTE: LUMP SUM PRICES SHALL BE CONSIDERED A COMPLETE INSTALLED PRICE, INCLUDING ELECTRICAL AND ALL OTHER BUILDING ELEMENTS, INSTALLATION COST, OVERHEAD, PROFIT, INSURANCE, TAXES, FEES, ETC. (I.E. COMPLETE INSTALLED PRICE).

DATE	10 SEPT 15
PROJ. DR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	

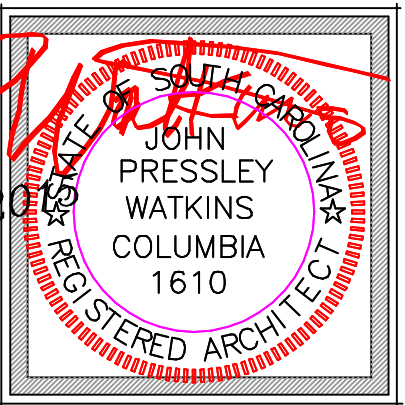
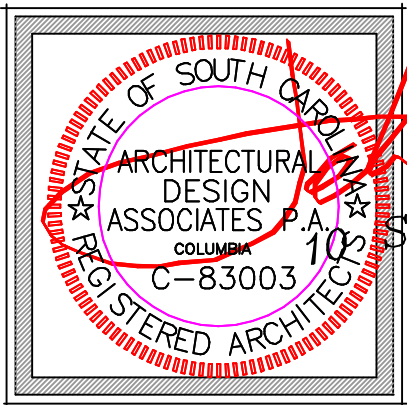
SALUDA RIVERWALK
COVER SHEET AND CODE SYNOPSIS ON BUILDINGS
CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA



ADA.....PA

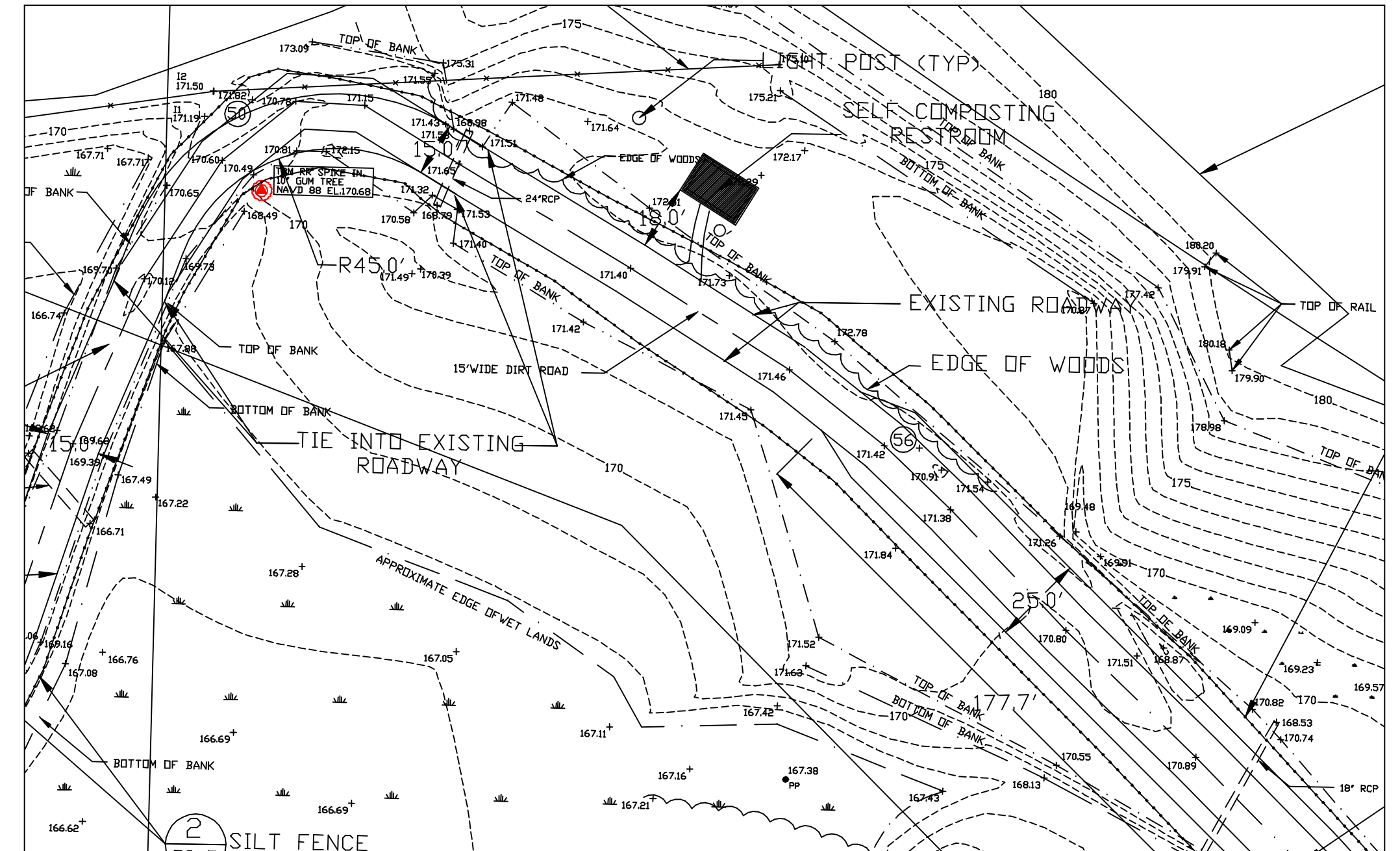
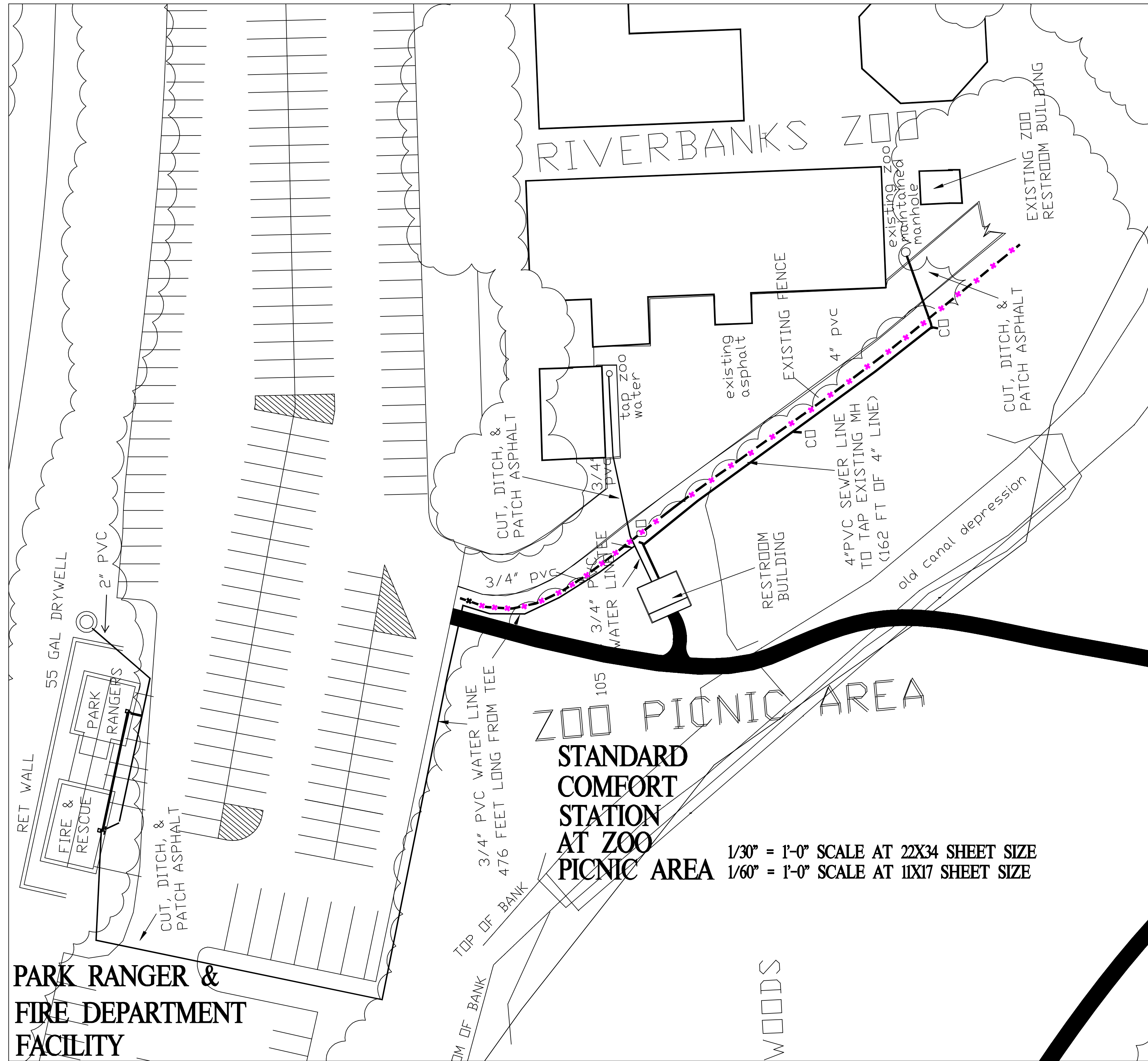
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210

JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPA.BIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



COVER FOR
A, B,
C,&C2

SHEET NO.
CO-1



A - "GREEN" FLOATABLE COMPOSTING COMFORT STATION

SITE PLAN 1/4" = 1'-0" SCALE

SITE UTILITIES

ZOO PICNIC AND PARK RANGER

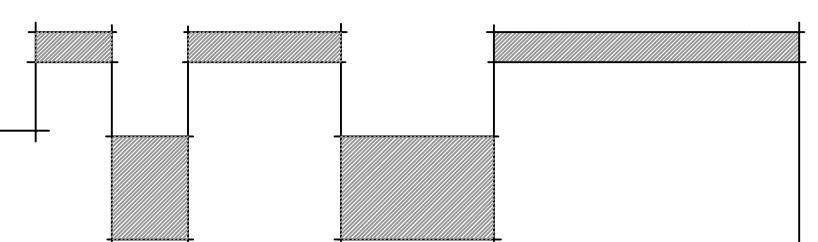
A & C-2

SALUDA RIVERWALK ENLARGED SITE PLANS FOR (4) BUILDINGS

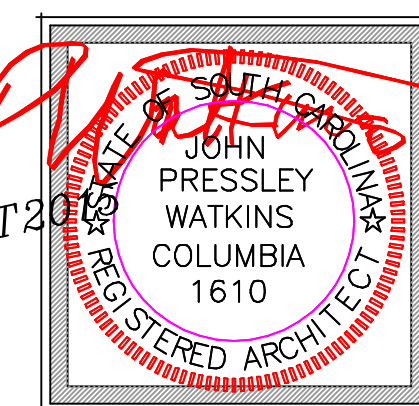
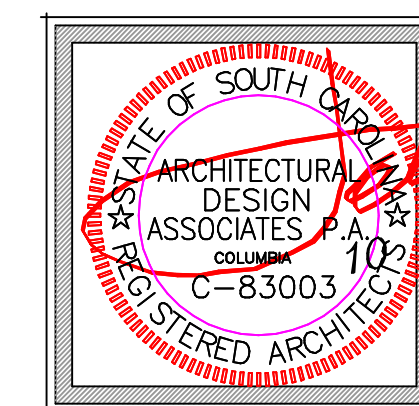
DATE	10 SEPT 15
PROJ. DIR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	

SALUDA RIVERWALK
ENLARGED SITE PLANS FOR (4) BUILDING
CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS



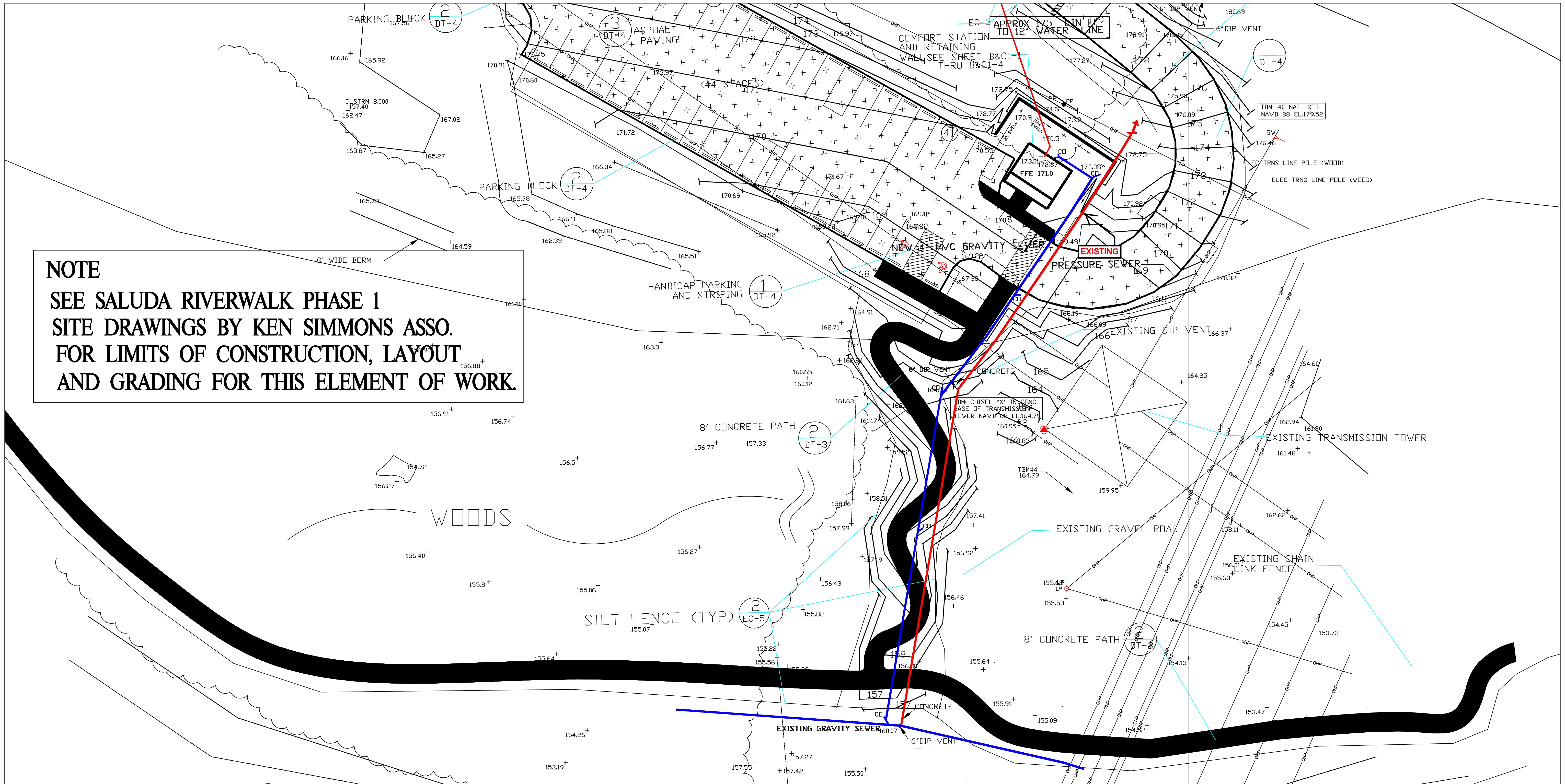
ADA.....PA	
56 HILLMARK DRIVE	29210
COLUMBIA, SOUTH CAROLINA	
JOHN WATKINS, ARCHITECT	
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPABIZ	
ARCHITECTURAL DESIGN ASSOCIATES, PA	



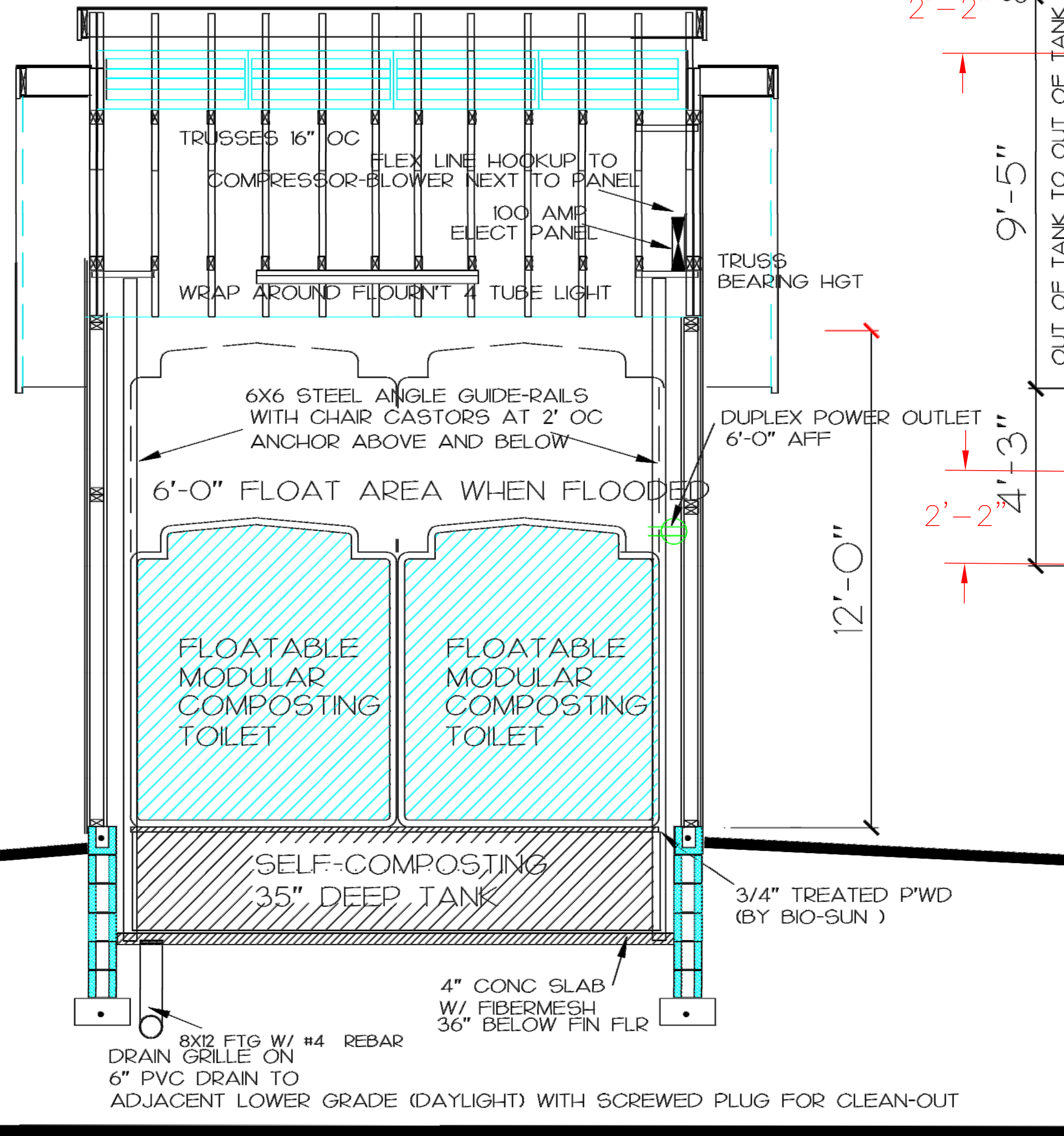
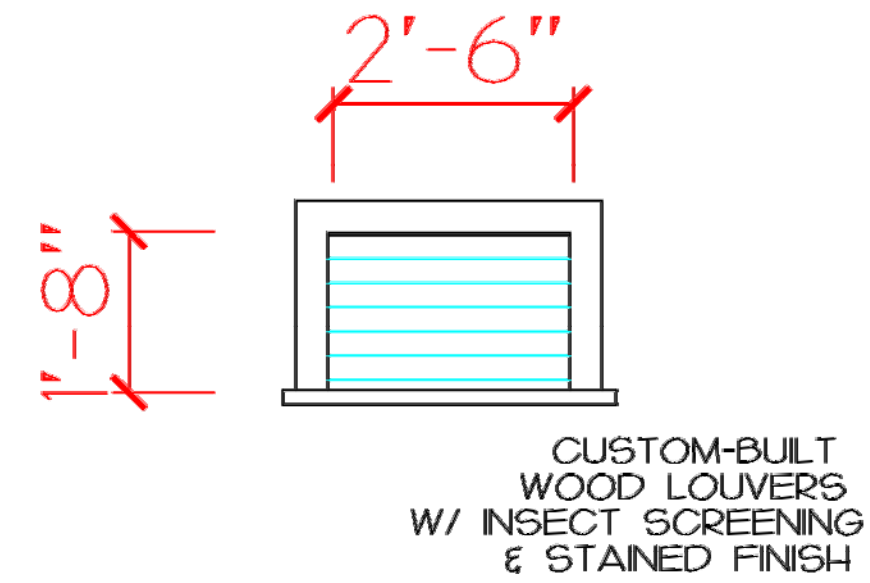
BUILDINGS
A,&C-2

SHEET NO.
CO-2

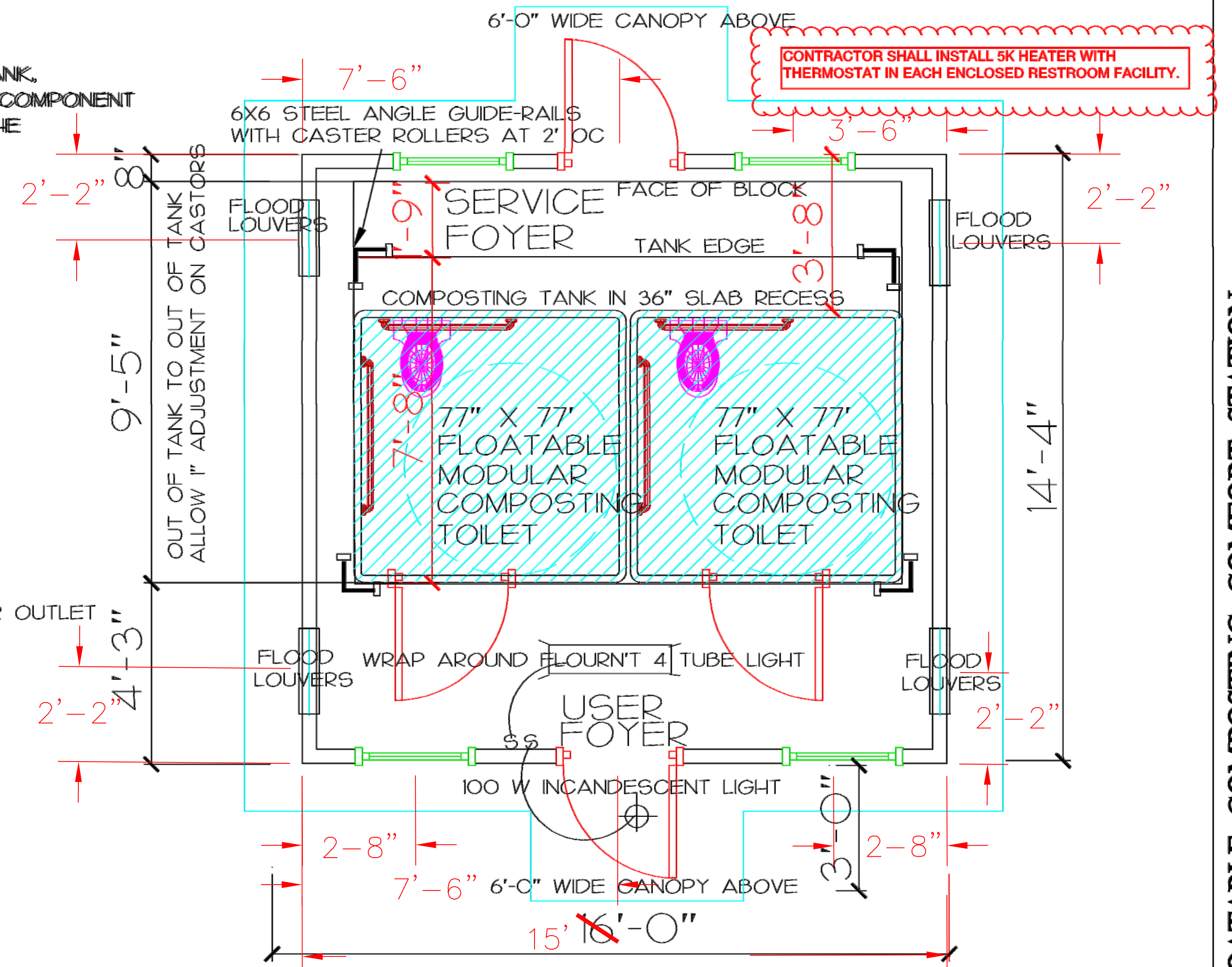
SHEET 2 IN SET



ALLOW THE SUM OF \$29,950. FOR THE PRE-FAB TOILETS BY BIO-SUN (PH # (570) 537-2200 FOR DETAILS) TO BE DELIVERED WITH ATTACHED TANK, P.T. PWD FLOOR (IF REQUIRED), COMPRESSOR, BLOWER, AND STACK. THE COMPONENT WILL BE SET IN PLACE INTO THE G.C. BUILT "SHALLOW BASEMENT" AND THE BUILDING SHELL WILL THEN BE BUILT AROUND THE PRE-FAB UNITS.



1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE



FLOOR PLAN 1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE

FINISH SCHEDULE	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT	EXTERIOR
COVERED ENTRANCE	1	-	5	4	7'-6"	5
USER FOYER	1	2	4	-	12'-0"	-
SERVICE FOYER	1	2	4	-	12'-0"	-

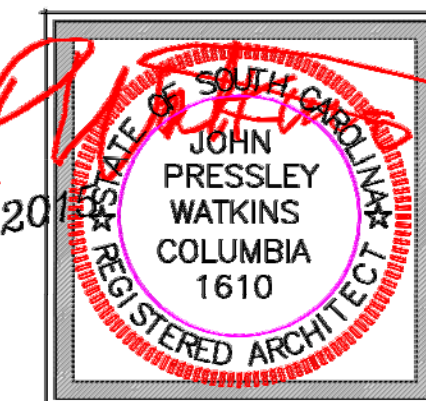
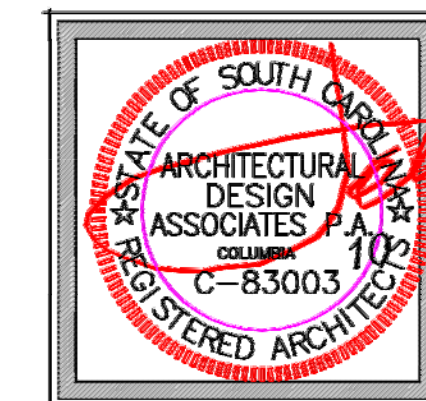
- 1 - CONCRETE (BR'M FIN EXTERIOR, SMOOTH INTERIOR)
- 2 - 1X6 CEDAR BASE (STAINED)
- 3 - STAINED 3/4" PLYWOOD
- 4 - STAINED T-111 4" GROOVED CEDAR PLYWOOD
- 5 - EXTERIOR WATER-BASED STAIN ON ROUGH
SAWN CEDAR LAP SIDING

SALUDA RIVERWALK

"GREEN" FLOATABLE COMPOSTING COMFORT STATION

CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS



BUILDING

A

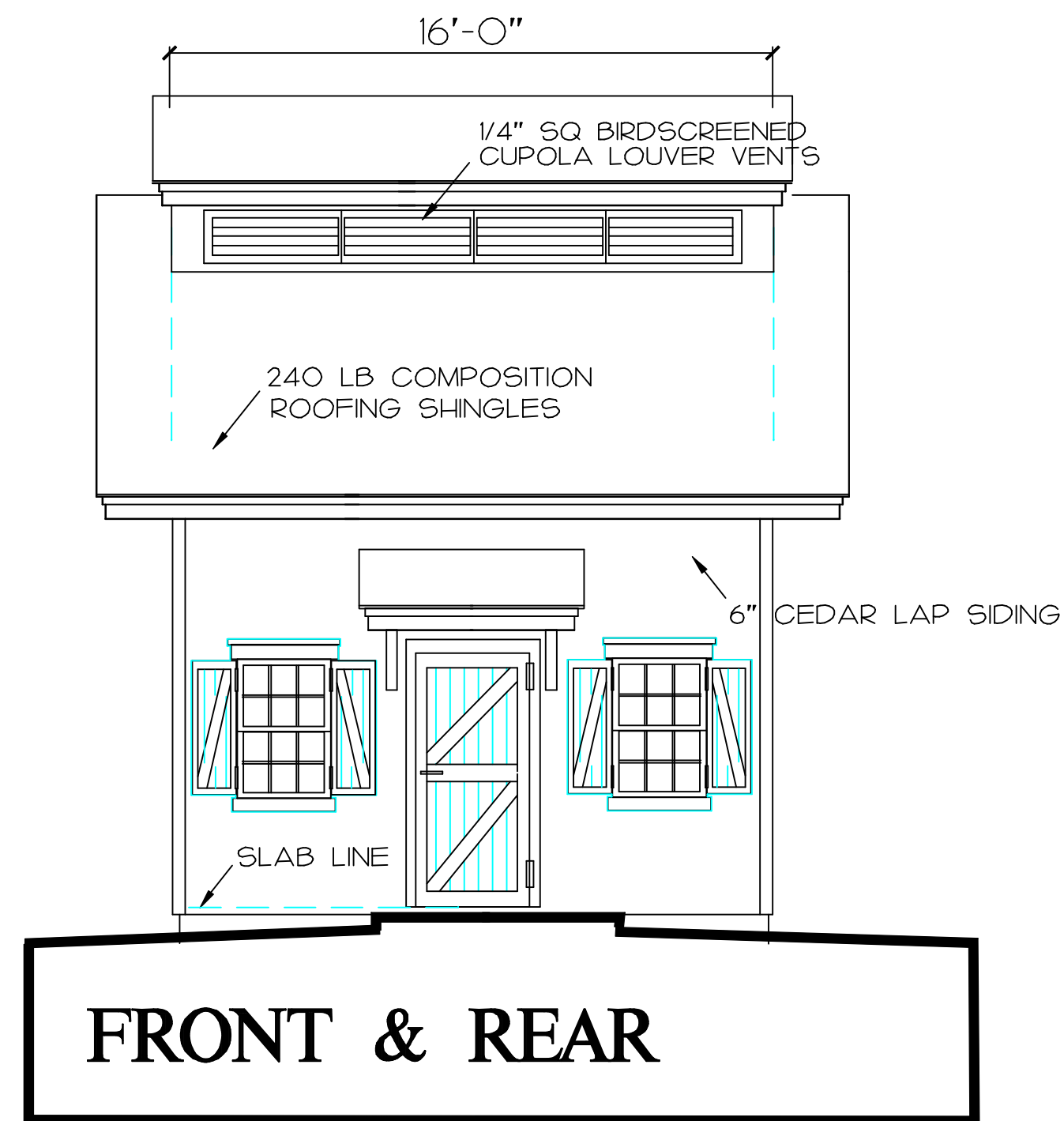
SHEET NO.
A-1
2

SHEET 4 IN SET

DATE 10 NOV 15
PROJ. DIR. KEN SIMMONS
& RIVER ALLIANCE
DRAWN J. WATKINS
CHECKED OZ NAGLER
& GRAHAM TAYLOR
REVISIONS _____

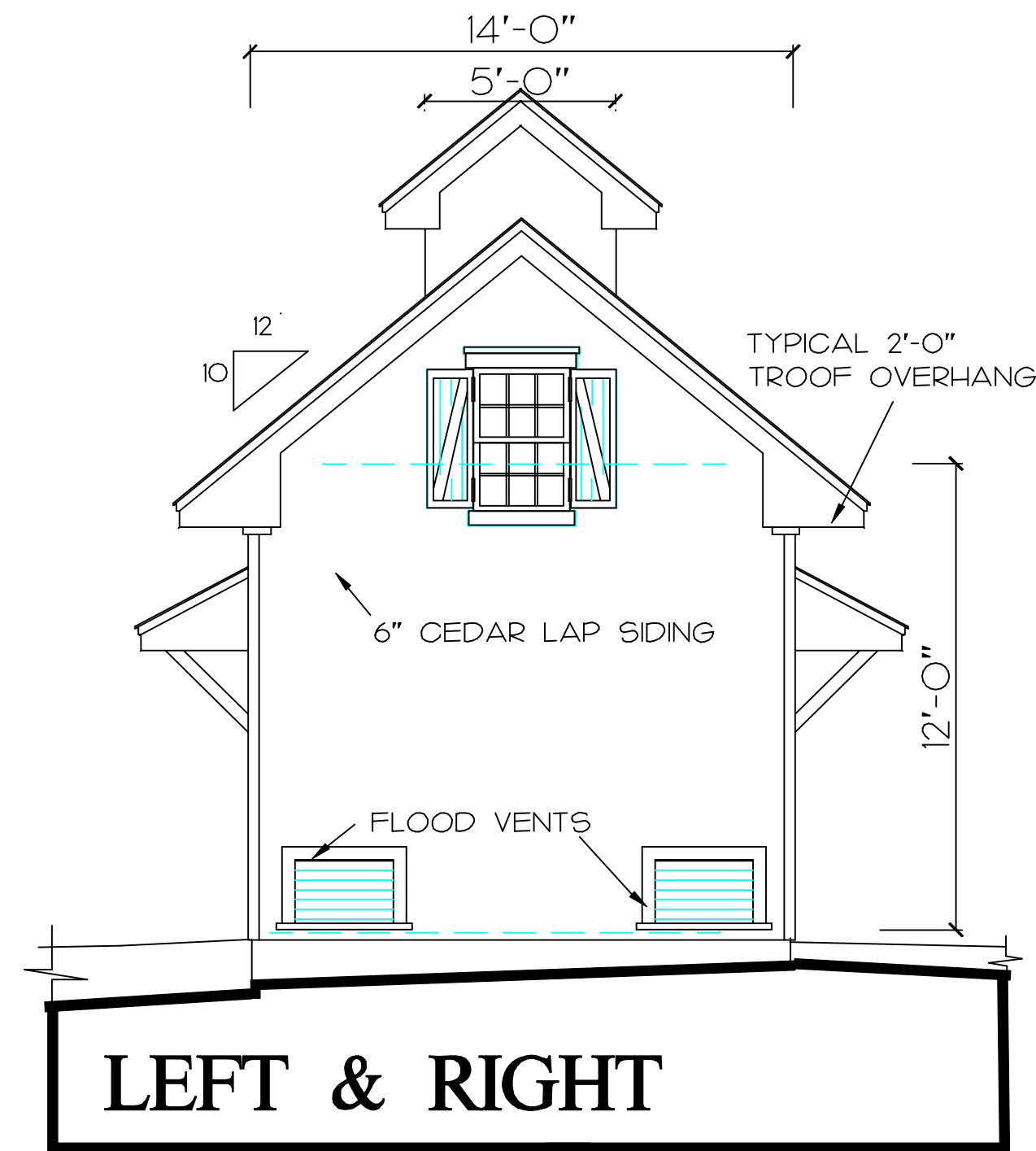
2-9-2017

2-14-2017- Addendum #2



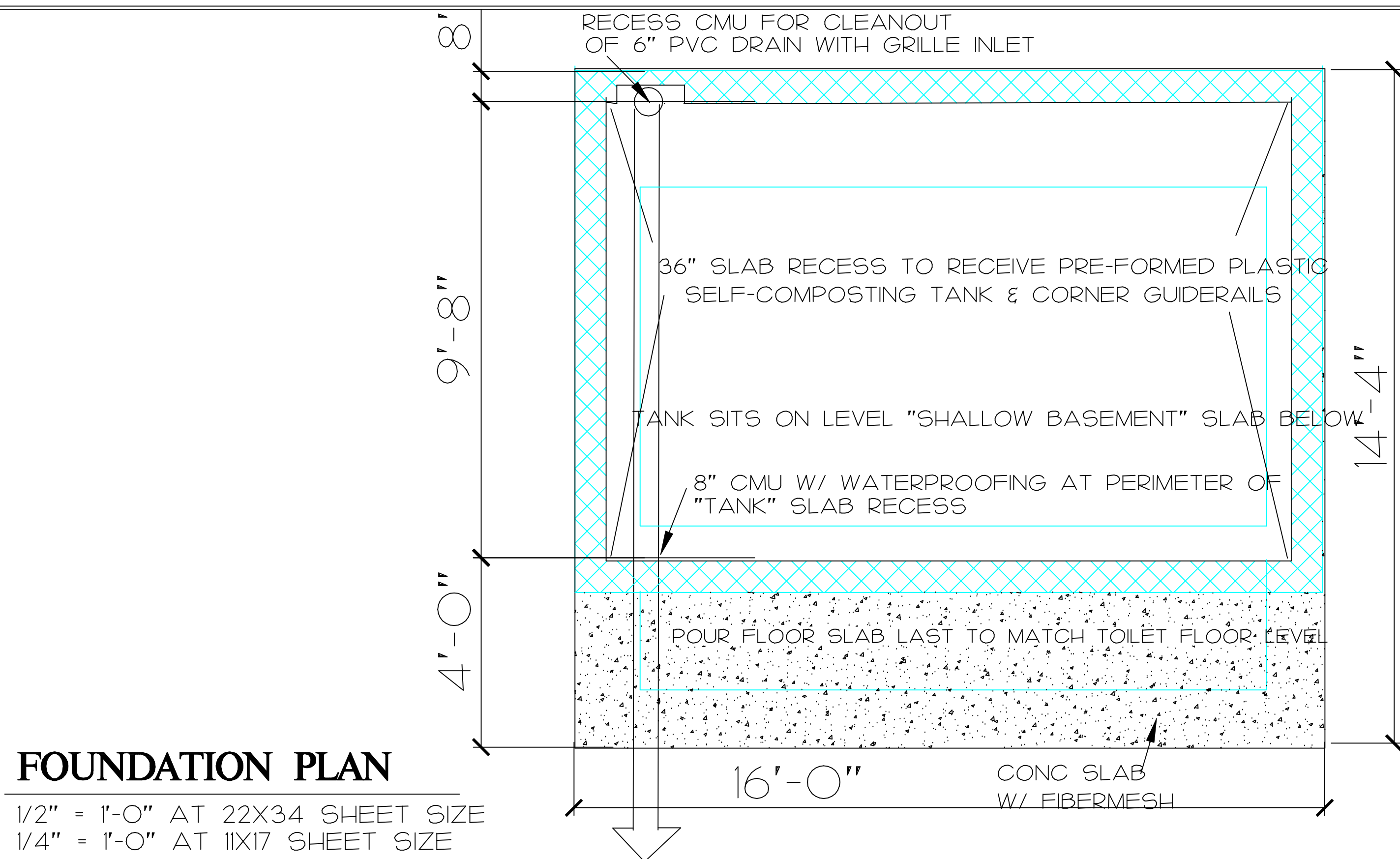
FRONT & REAR

ELEVATIONS



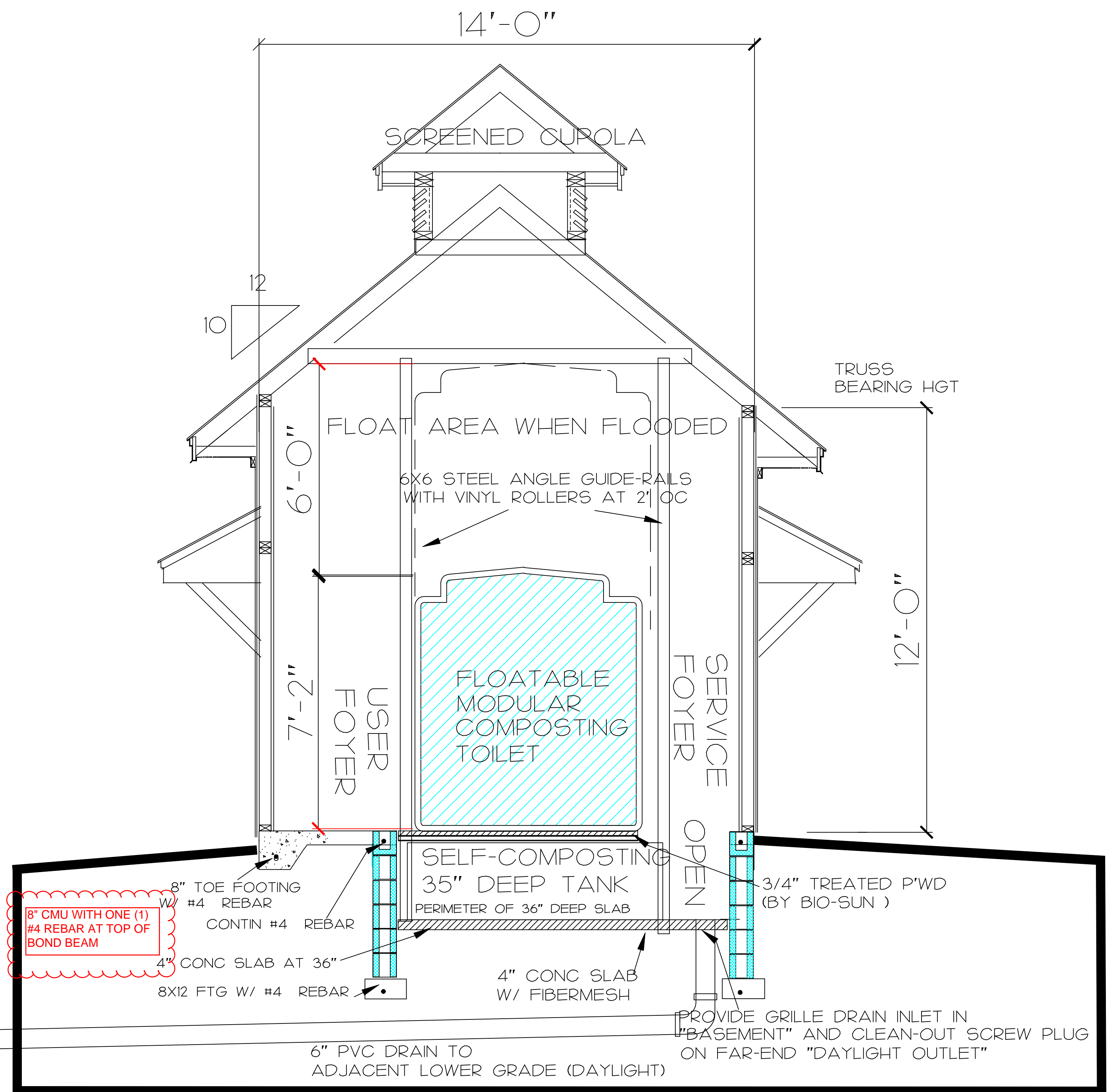
LEFT & RIGHT

1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE



FOUNDATION PLAN

1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE



BUILDING CROSS SECTION

1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE

DATE	10 SEPT 15
PROJ. DR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	
	2-9-2017

SALUDA RIVERWALK

"GREEN" FLOATABLE COMPOSTING COMFORT STATION

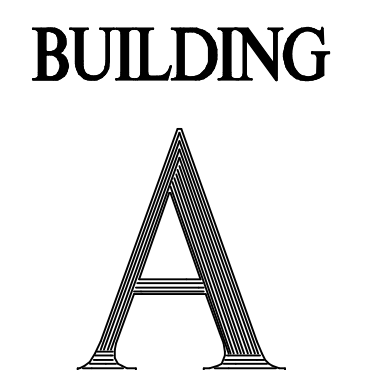
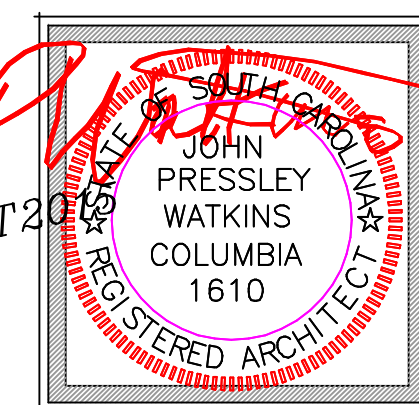
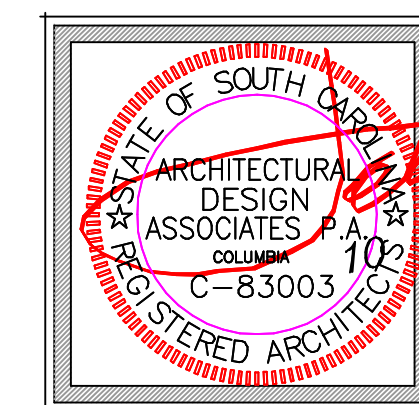
CITY OF COLUMBIA

COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS

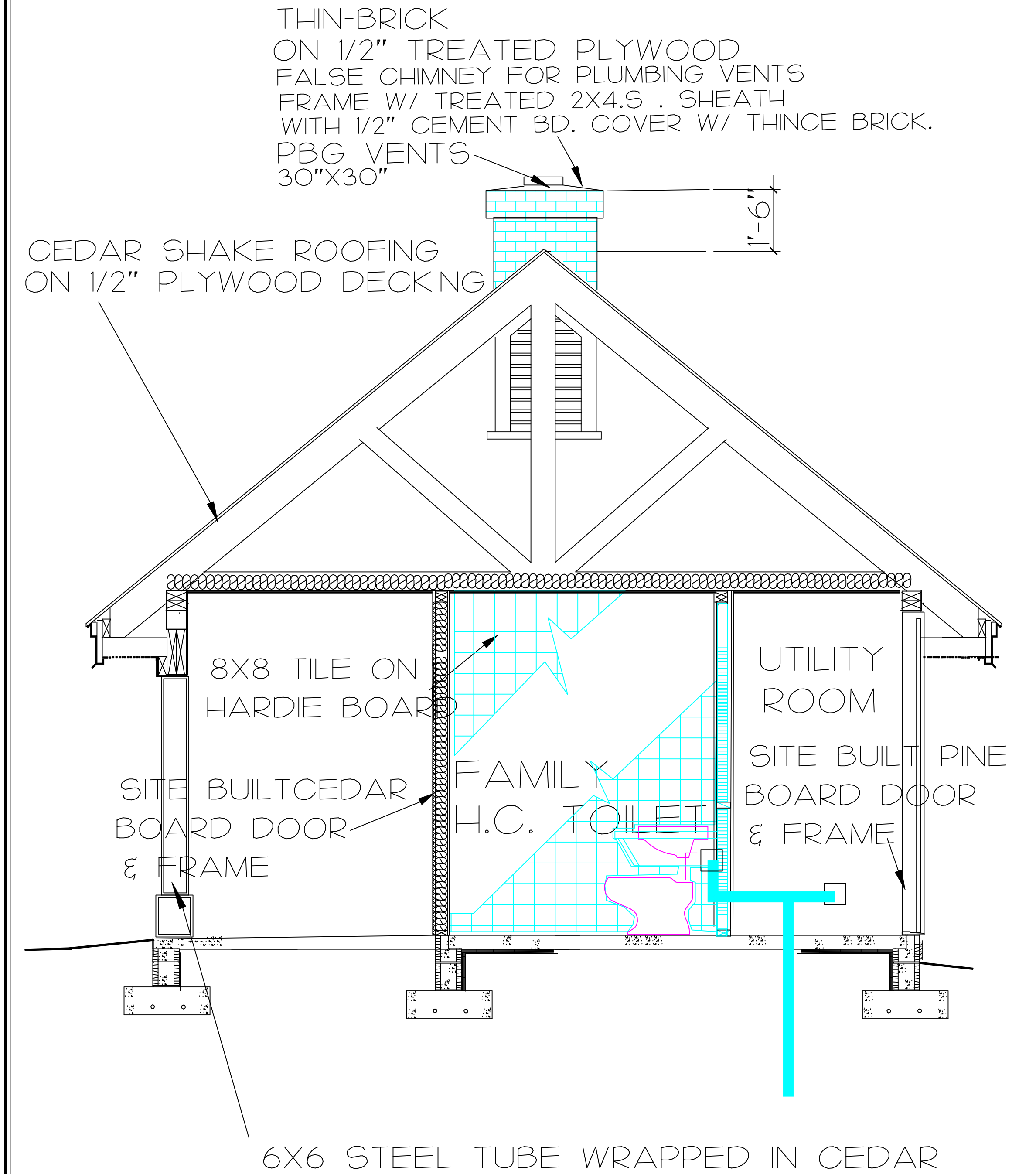
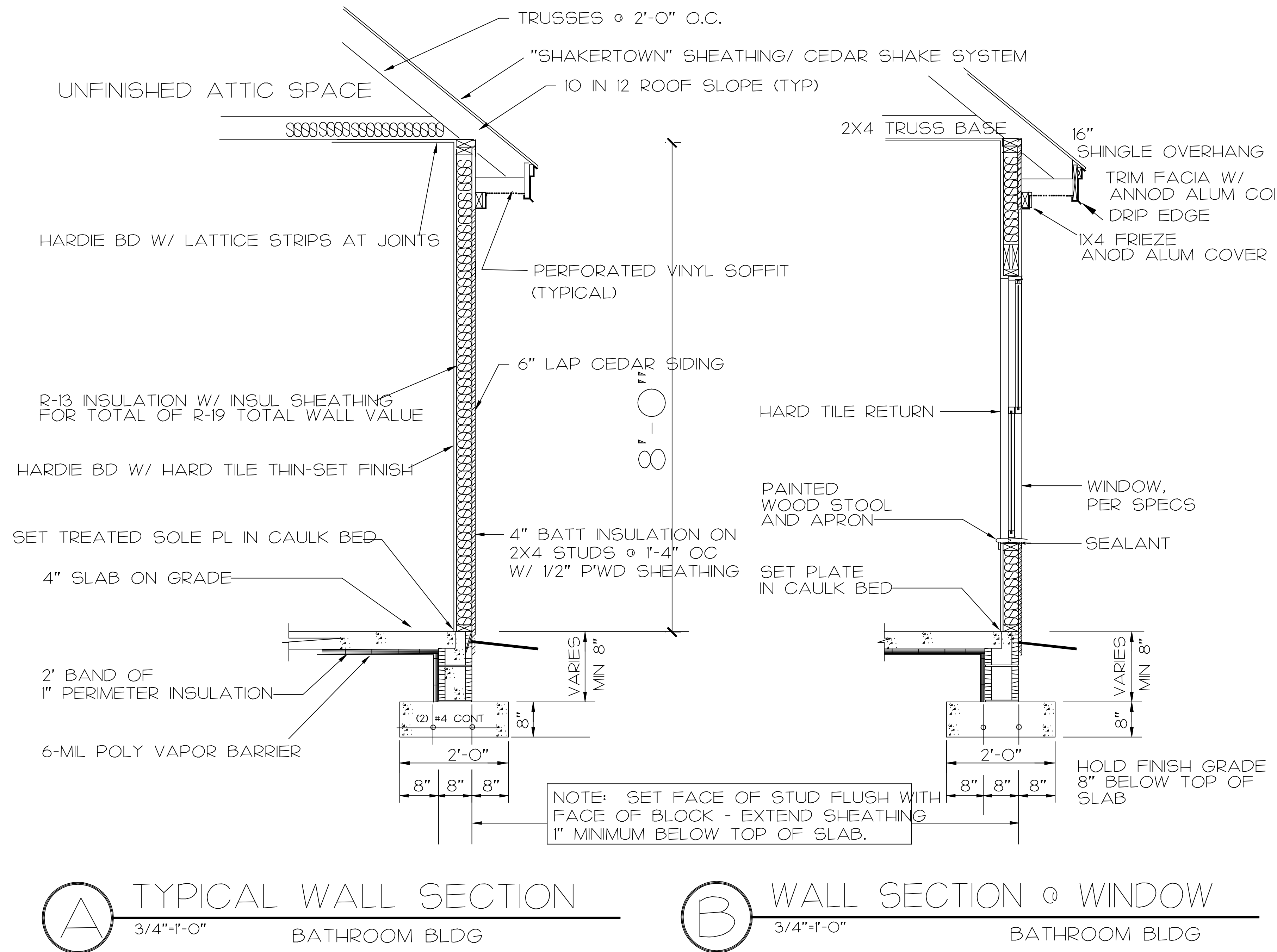
ADA.....PA
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210

JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPABIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



SHEET NO.	A-2
	2

SHEET 5 IN SET



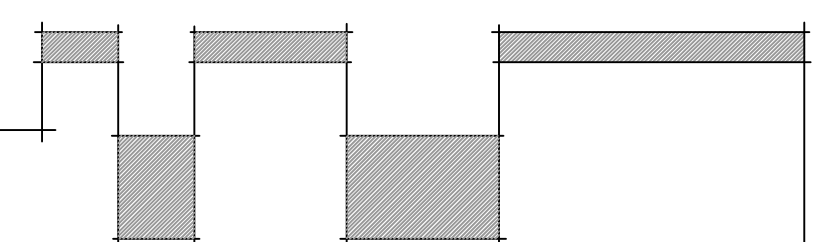
BUILDING SECTION

1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE

DATE	10 SEPT 15
PROJ. DIR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	

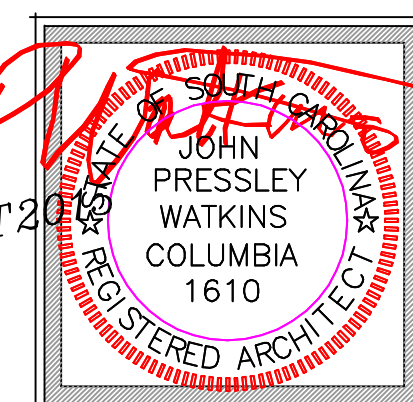
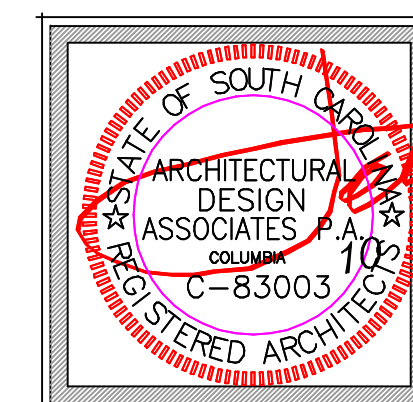
SALUDA RIVERWALK COMFORT STATION "B" AND "C1" SECTIONS CITY OF COLUMBIA COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS



ADA.....PA
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210

JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPABIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



BUILDINGS
B&C1

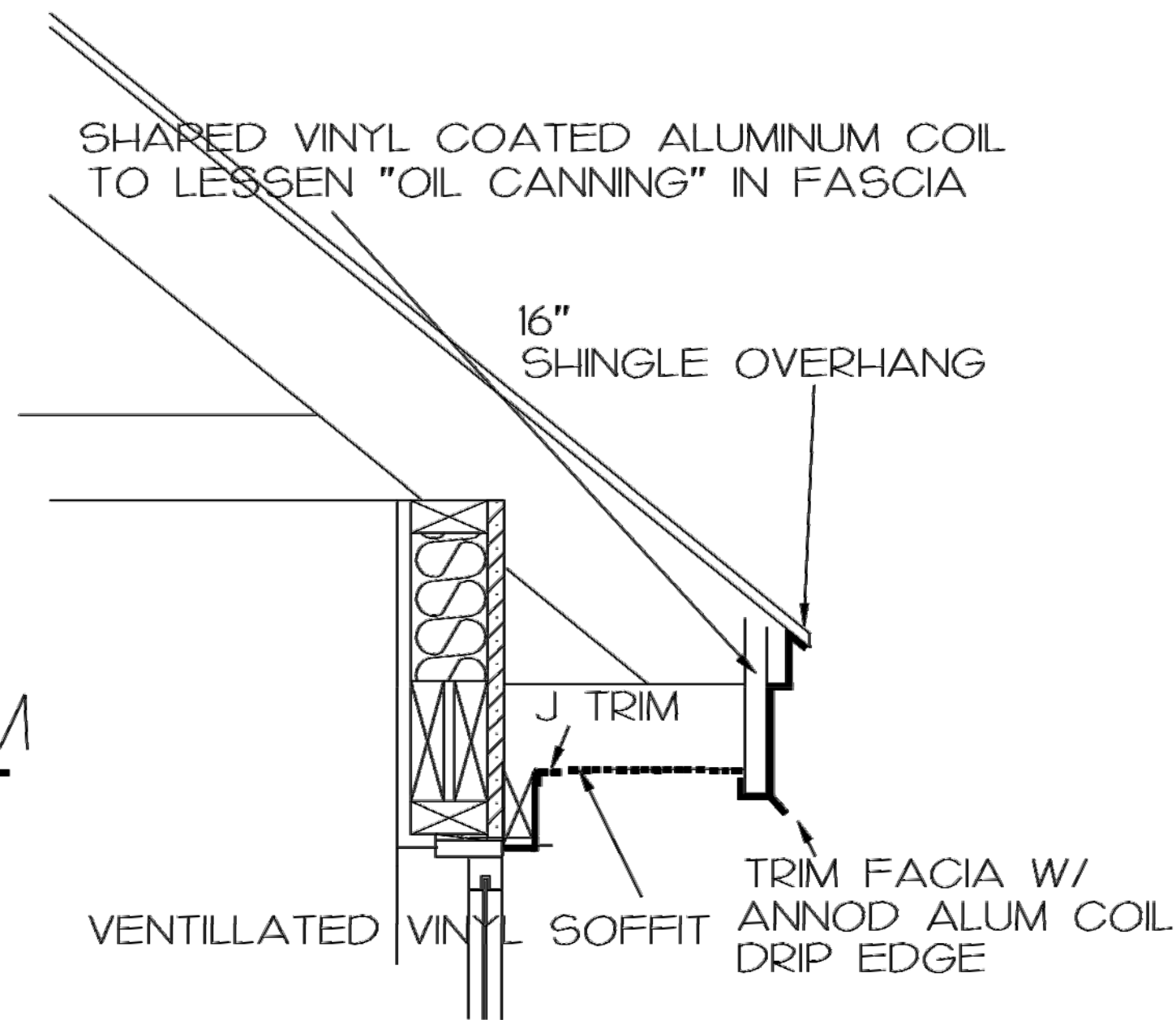
SHEET NO.	B&C1-SHT 3
	4

SHEET 6 IN SET

SALUDA RIVERWALK COMFORT STATION "B" AND "C1" SECTIONS

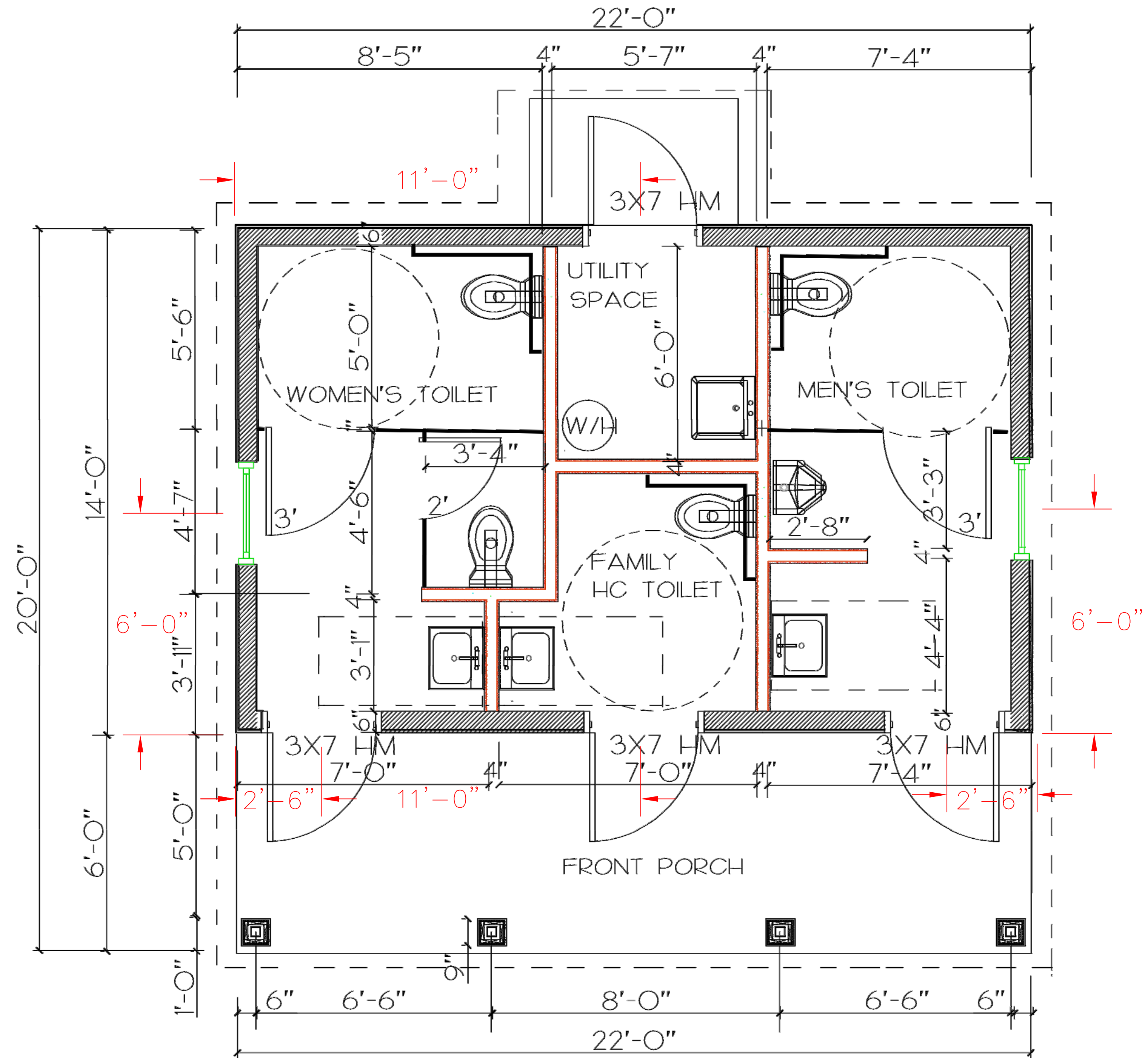
FASCIA TRIM DETAIL

1 1/2"=1'-0"



FINISH SCHEDULE	FLOOR	BASE	WALLS	CEILING	CEILING HEIGHT	EXTERIOR
FRONT PORCH	1	-	5	4	8'-0"	5
FAMILY HC TOILET	7	3	3	4	8'-0"	5
MEN'S TOILET	7	3	3	4	8'-0"	5
WOMEN'S TOILET	7	3	3	4	8'-0"	5
UTILITY SPACE	1	2	6	4	8'-0"	-

- 1 - CONCRETE
- 2 - 6" PINE BASE
- 3 - CUSTOM 8X8 TILES (ALLOW \$4.50 PER SQ FT MAT & LABOR)
- 4 - PAINTED 1/2" X 4" "BEAD BOARD"
- 5 - EXTERIOR WATER-BASED STAIN ON ROUGH SAWN CEDAR LAP SIDING
- 6 - EXPOSED 1/2" PLYWOOD WALLS
- 7- THIN SET HARD TILE



FLOOR PLAN

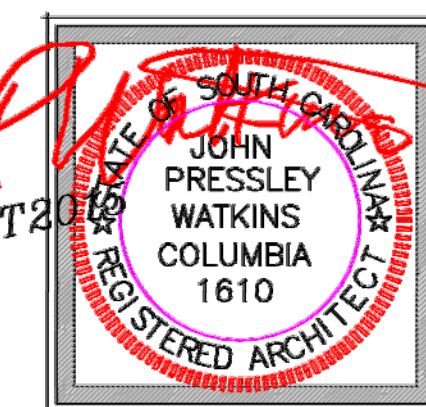
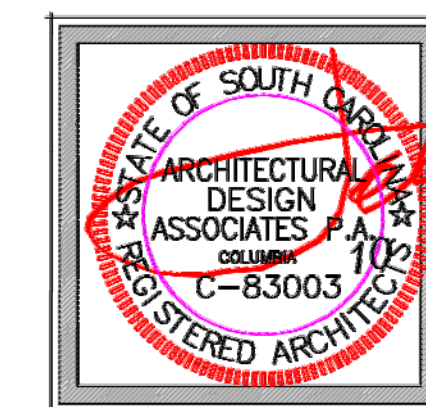
1/2" = 1'-0" AT 22X34 SHEET SIZE
1/4" = 1'-0" AT 11X17 SHEET SIZE

SALUDA RIVERWALK COMFORT STATION "B" AND "C1" FLOOR PLAN

CITY OF COLUMBIA COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS

ADA.....PA
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210
JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPABIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



BUILDINGS
B&C1

SHEET NO.
B&C1-SHT 1

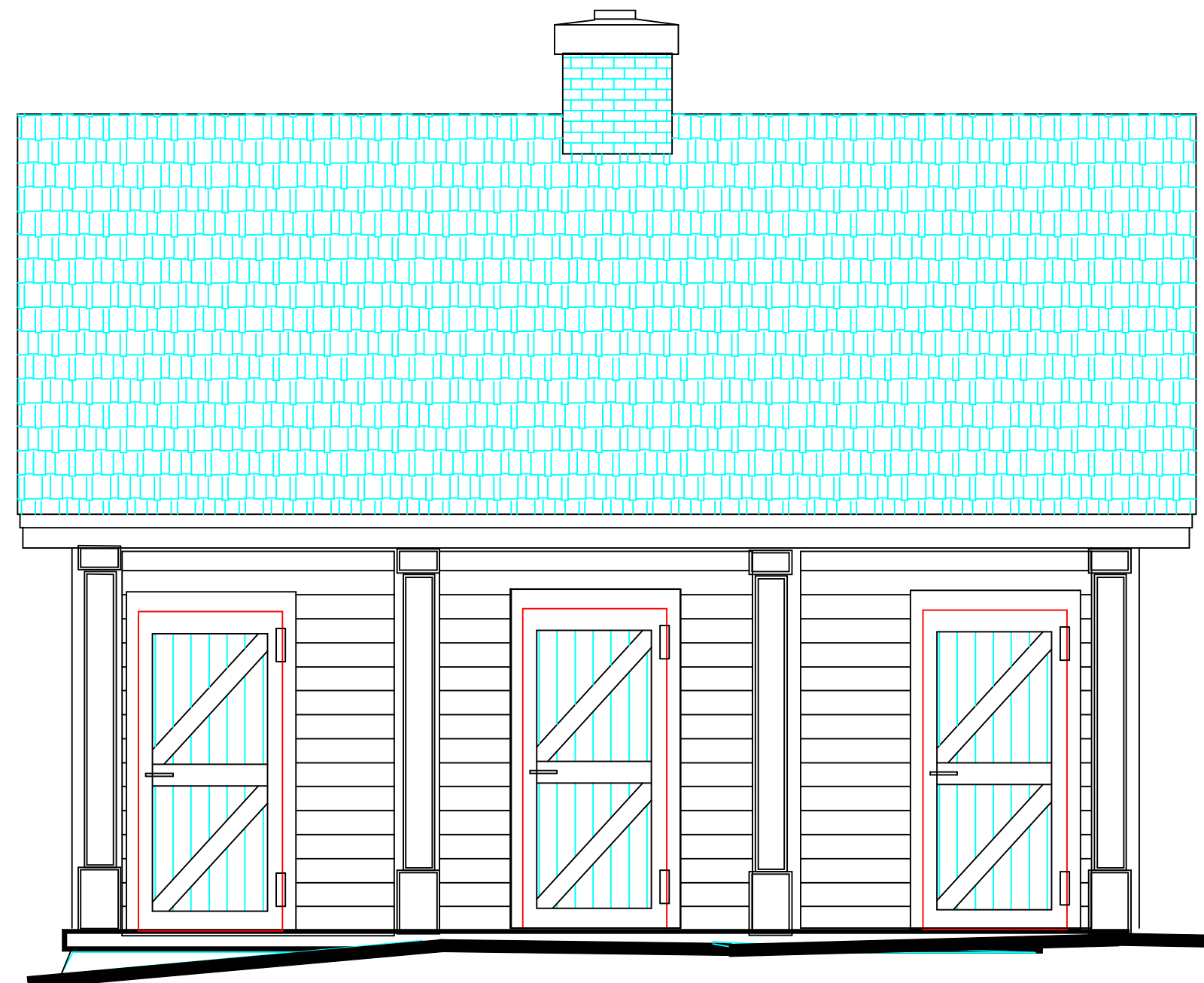
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SHEET 7 IN SET

SALUDA RIVERWALK COMFORT STATION "B" AND "C1" FLOOR PLAN

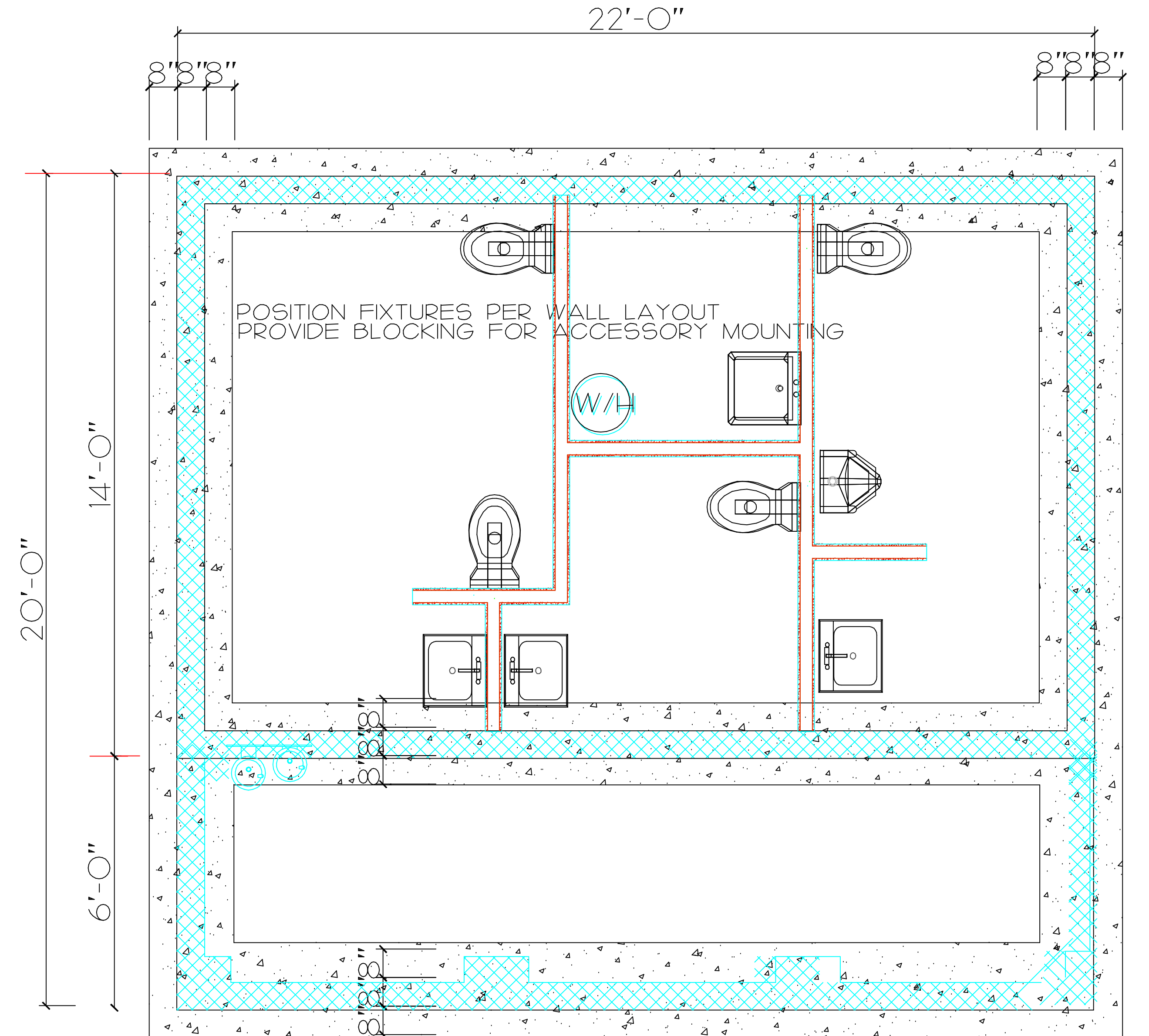
DATE	10 SEPT 15
PROJ. DIR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	



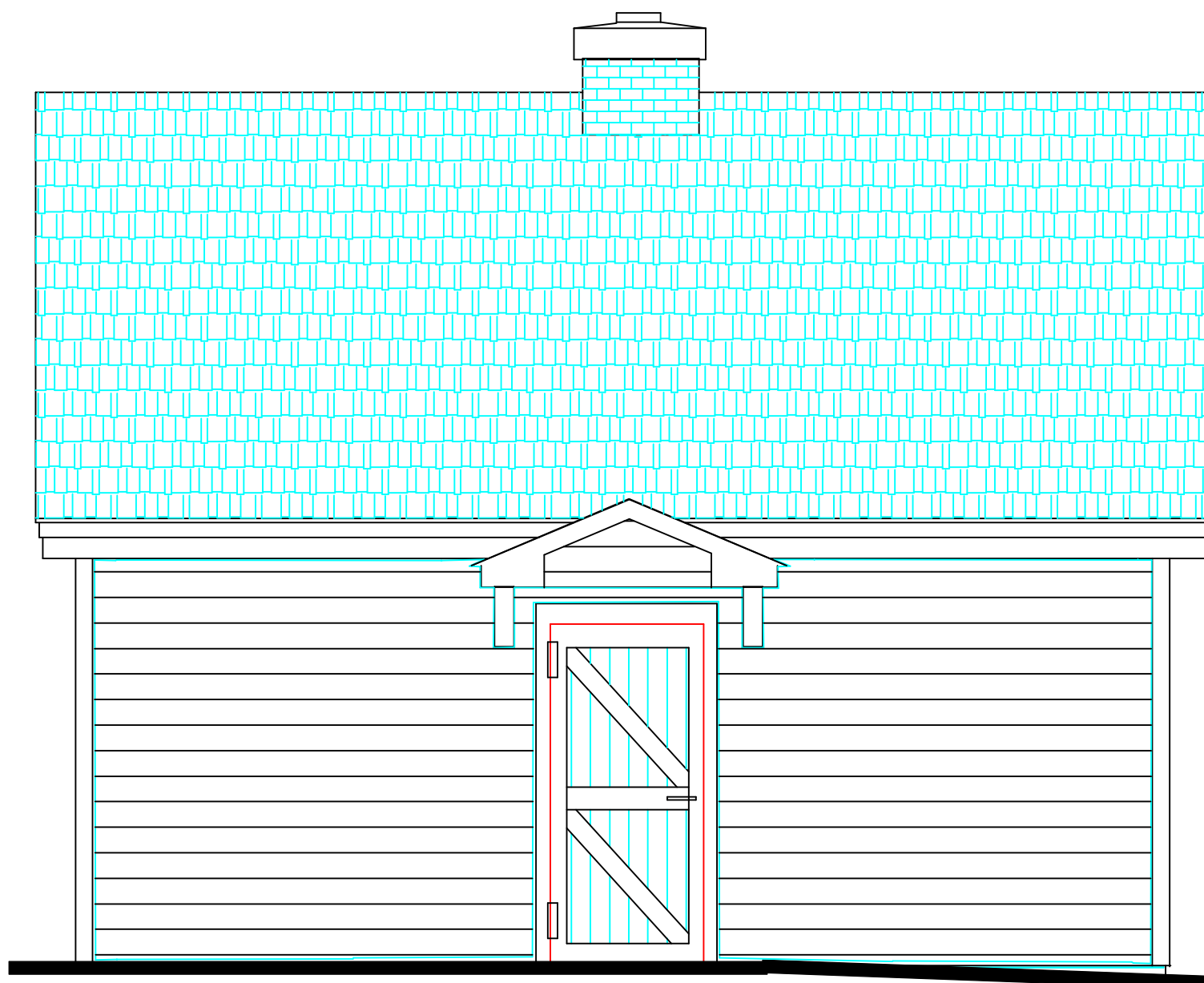
LEFT



FRONT



FOUNDATION PLAN



REAR



RIGHT

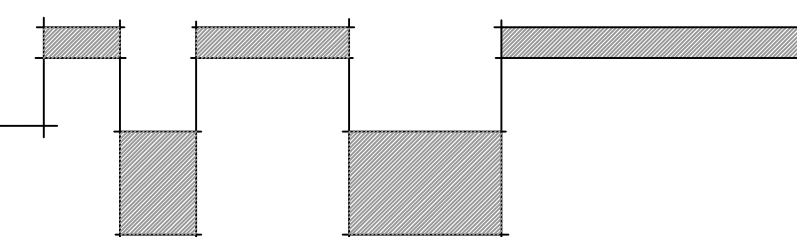
ELEVATIONS

SALUDA RIVERWALK COMFORT STATION "B" AND "C1" ELEVATIONS & FOUNDATION

DATE	10 SEPT 15
PROJ. DIR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	

SALUDA RIVERWALK
COMFORT STATION "B" AND "C1" ELEV & FOUND'N
CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA

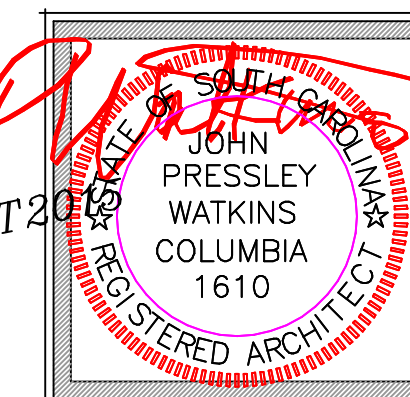
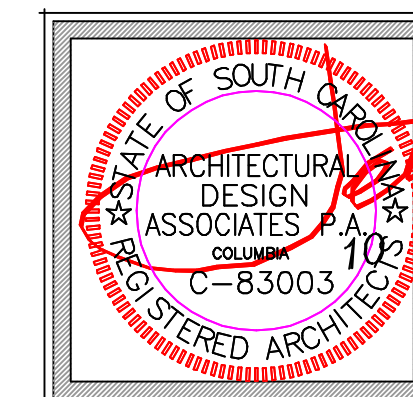
CONSTRUCTION DOCUMENTS



ADA.....PA

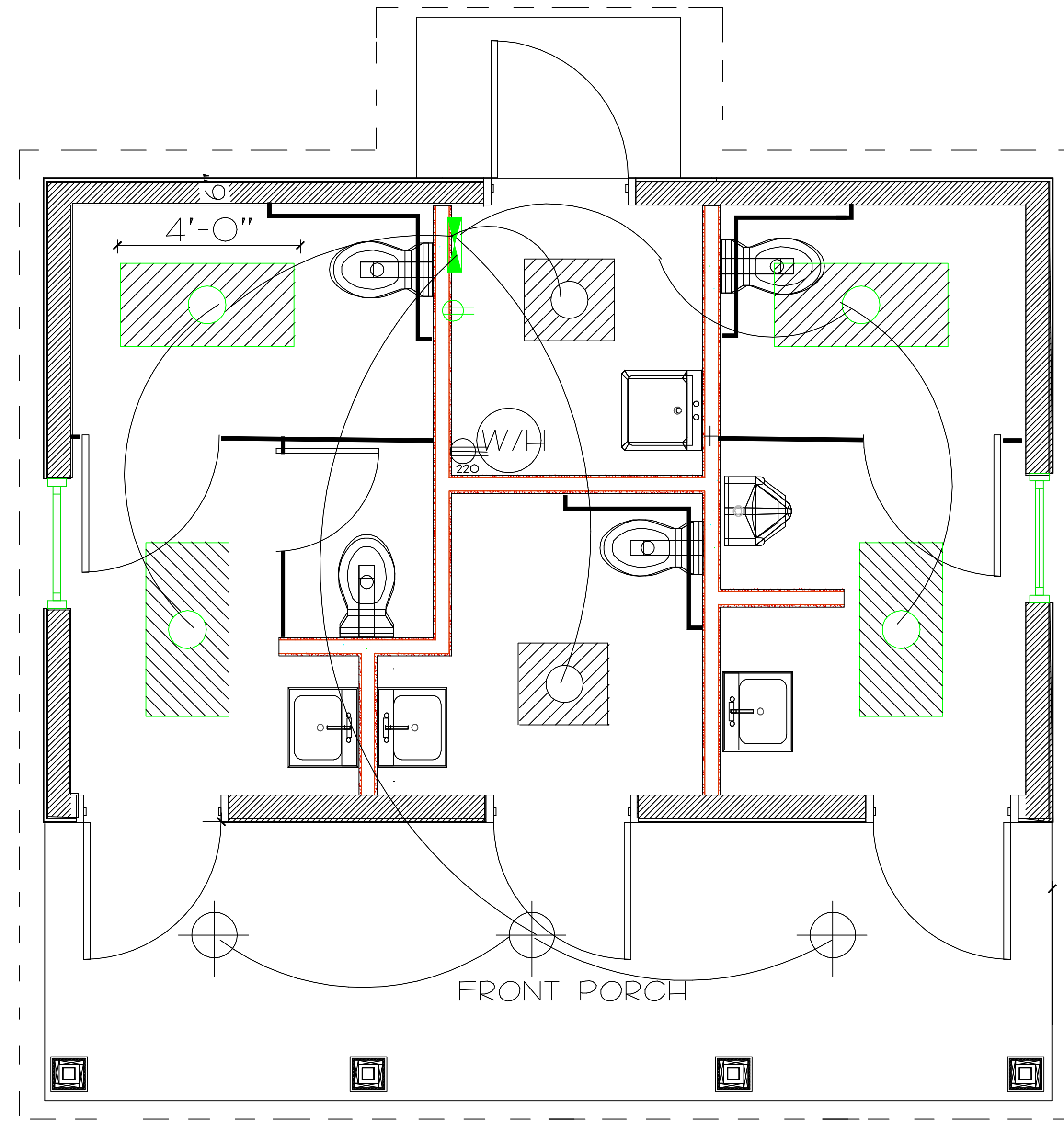
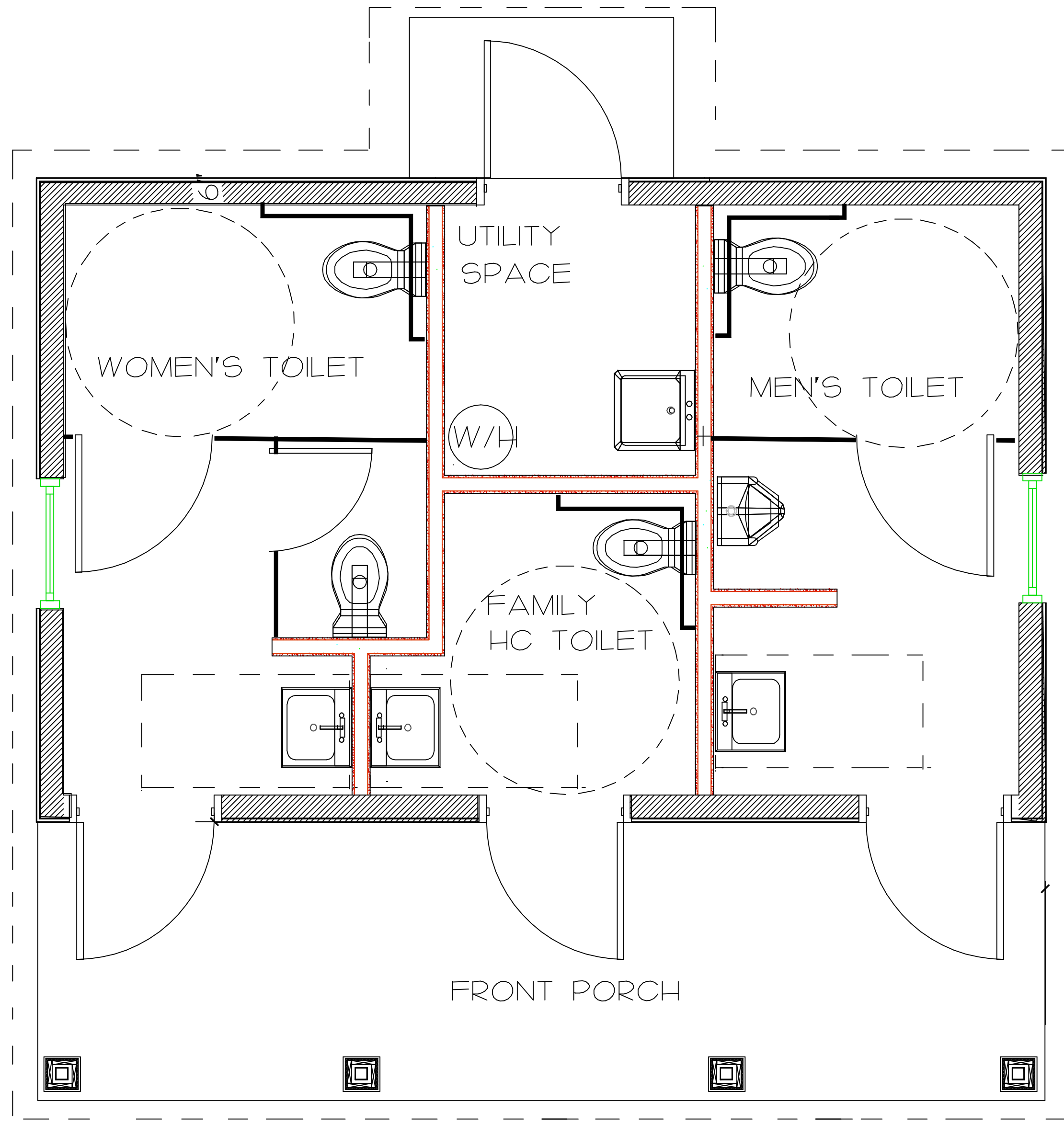
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210

JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPA.BIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



BUILDINGS
B&C1

SHEET NO.	B&C1-SHT 2
	4



	KOHLER WELLWORTH ELONGATED SEAT , TANK WHITE WATER CLOSET
	KOHLER WALL HUNG WHITE LAV W/ DELTA SINGLE FILLER FAUCET & TRIM
	KOHLER ENAMELED CAST-IRON UTILITY SINK W/ DELTA FAUCET & TRIM
	JACKSON ELECT QUICK-RECOVERY WATER HEATER - 40 GAL (IN ATTIC)

- MUTT MITT LOCATION
- PEOPLE DRINKING FOUNTAIN AT HC LEVEL
- DOG FOUNTAIN NEAR GRADE
- CONTRACTOR SHALL TIE INTO BUILDING WATER SUPPLY FOR FOUNTIAN. FOUNTIAN TO BE FIELD LOCATED NEAR BUILDING.

ELECTRICAL SYMBOLS

- DUPLEX POWER OUTLET (60" AFF)
- 2X4 FLOURESCENT LIGHT SURFACE MOUNTED WITH WRAP AROUND LENS
- 2X2 FLOURESCENT LIGHT SURFACE MOUNTED WITH WRAP AROUND LENS
- 100A ELECT PANEL
- INCANDESCENT RECESSED DOWNLIGHT
- JUNCTION BOX (ATTIC ONLY)
- CONTRACTOR SHALL INSTALL 5K HEATER WITH THERMOSTAT IN EACH ENCLOSED RESTROOM FACILITY.

DATE	10 SEPT 15
PROJ. DIR	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	
	2-9-2017

SALUDA RIVERWALK
COMFORT STATION "B" AND "C1" ELEC & PBG
CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS

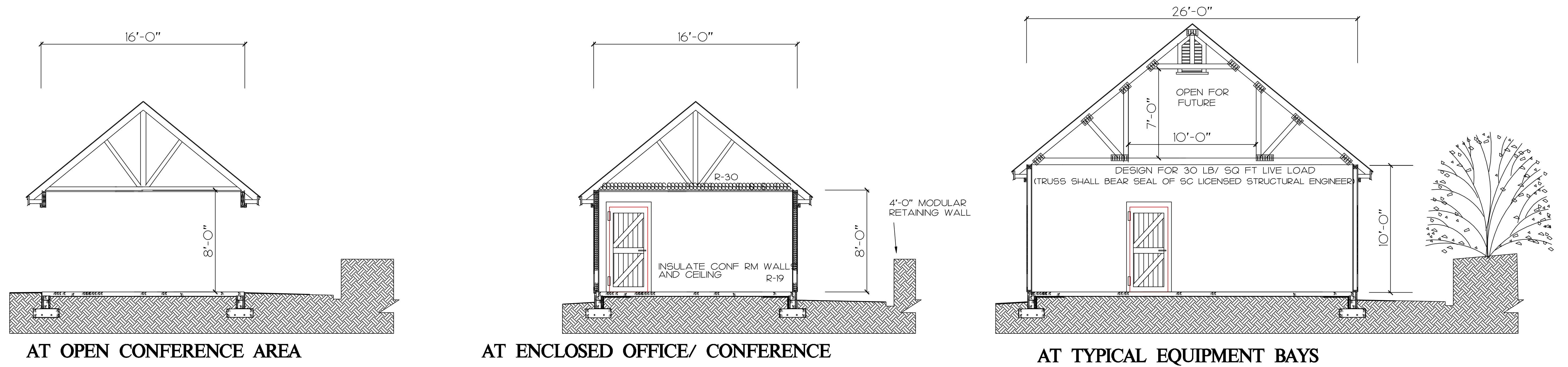
ADA.....PA
56 HILLMARK DRIVE COLUMBIA, SOUTH CAROLINA 29210
JOHN WATKINS, ARCHITECT OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPA.BIZ ARCHITECTURAL DESIGN ASSOCIATES, PA

STATE OF SOUTH CAROLINA
ARCHITECTURAL DESIGN ASSOCIATES, PA
C-83003
REGISTERED ARCHITECT

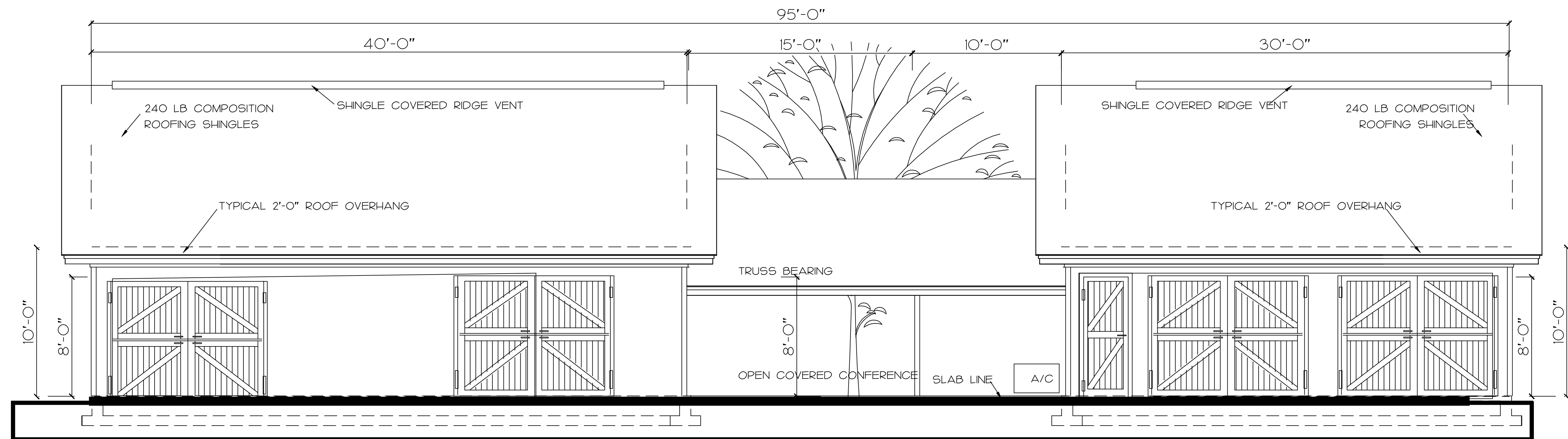
STATE OF SOUTH CAROLINA
JOHN PRESSLEY WATKINS
COLUMBIA 1610
REGISTERED ARCHITECT

B&C1

SHEET NO.
B&C1-SHT 4
4
SHEET 9 IN SET



CROSS SECTIONS

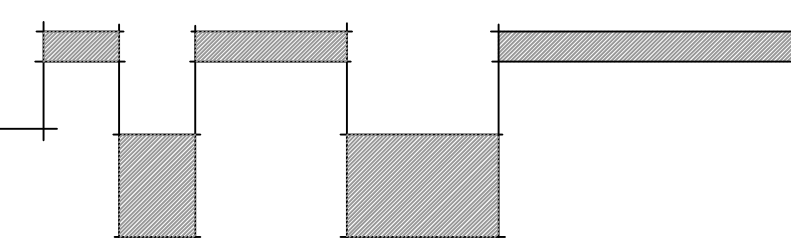


FRONT ELEVATION

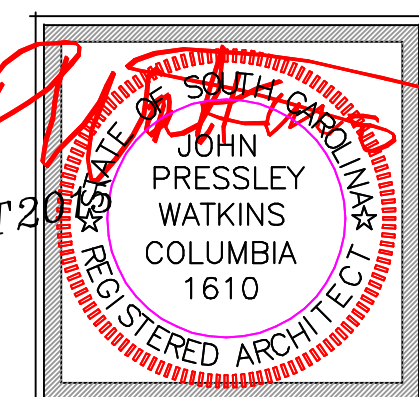
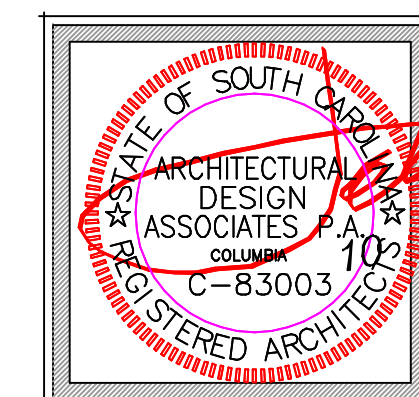
DATE	10 SEPT 15
PROJ. DIR.	KEN SIMMONS
DRAWN	J. WATKINS
CHECKED	KEN SIMMONS
REVISIONS	

SALUDA RIVERWALK
PARK RANGER'S & FIRE DEPARTMENT FACILITY
CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS



ADA.....PA
 56 HILLMARK DRIVE
 COLUMBIA, SOUTH CAROLINA 29210
 JOHN WATKINS, ARCHITECT
 OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPA.BIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA

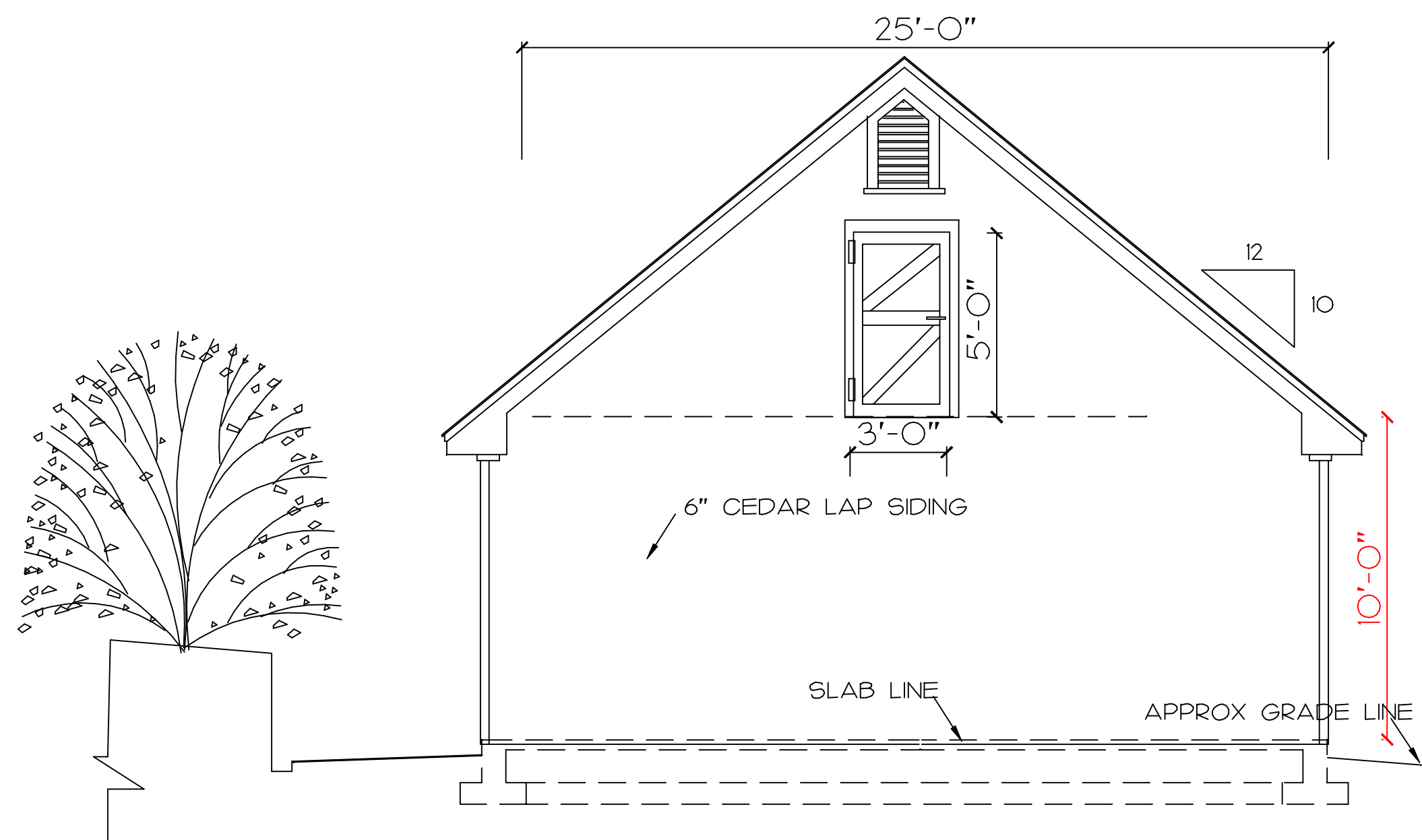
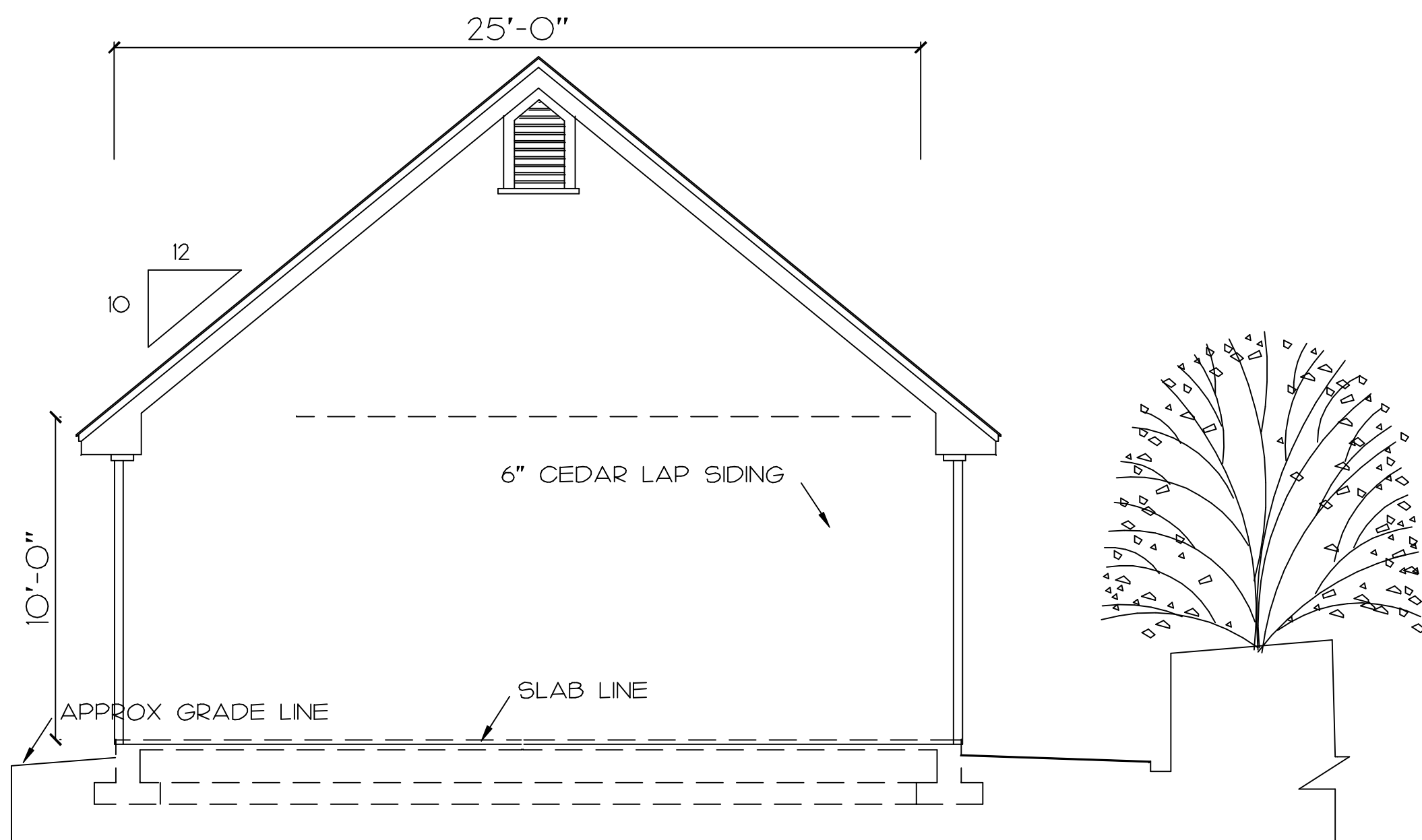
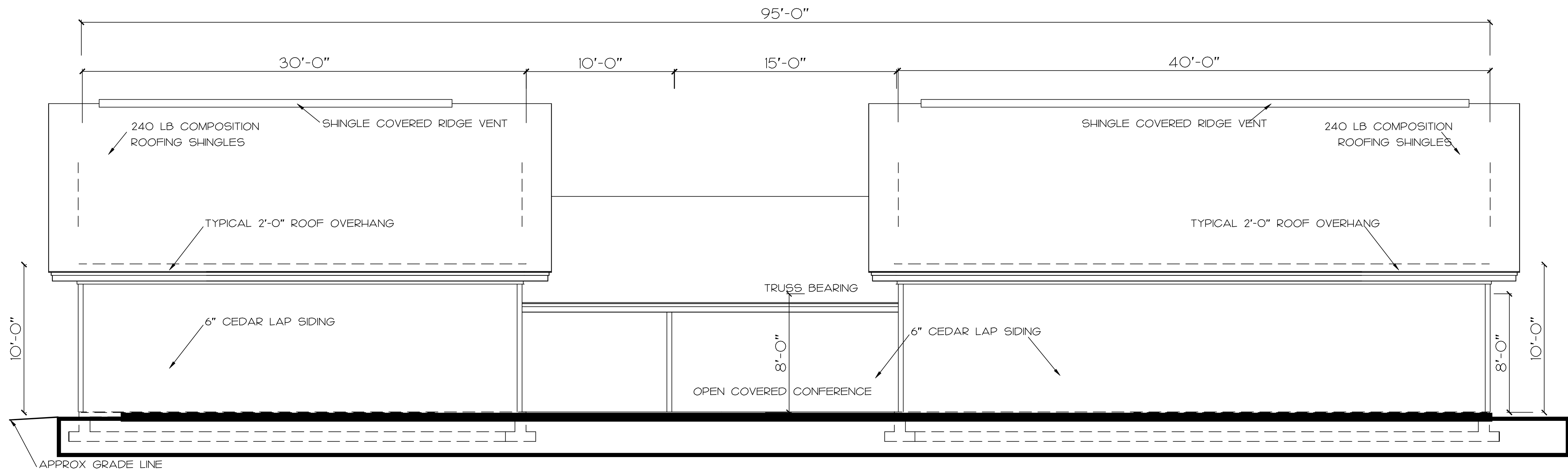


BUILDING
C2

SHEET NO.
C2-2
 4

SHEET 11 IN SET

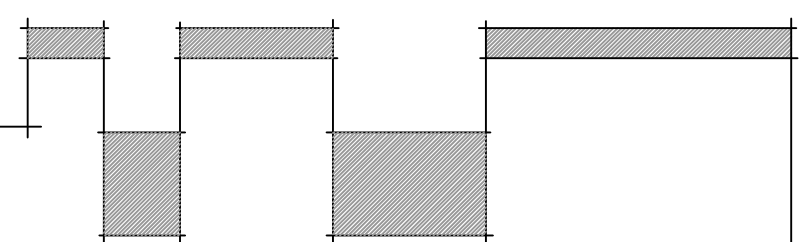
SALUDA RIVERWALK PARK RANGER'S AND FIRE DEPARTMENT FACILITY



REAR & SIDE ELEVATIONS

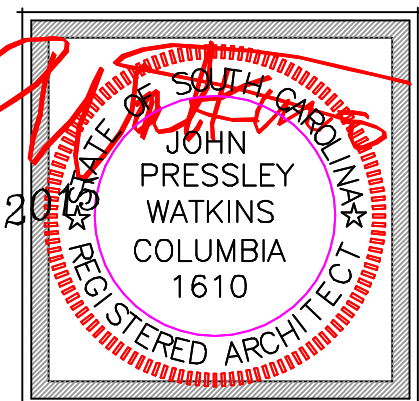
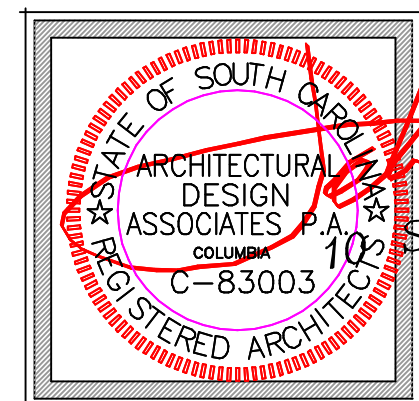
SALUDA RIVERWALK PARK RANGER'S & FIRE DEPARTMENT FACILITY CITY OF COLUMBIA COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS



ADA.....PA
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210

JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPA.BIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



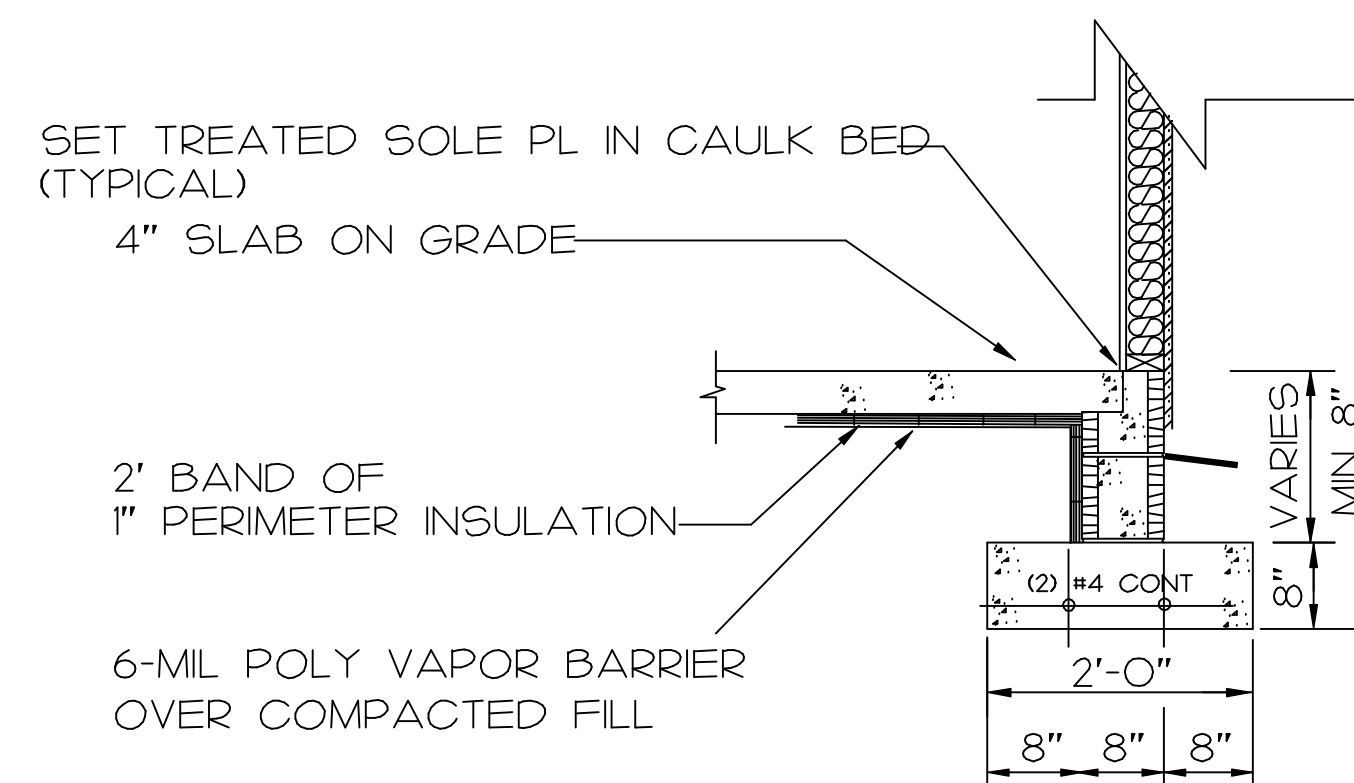
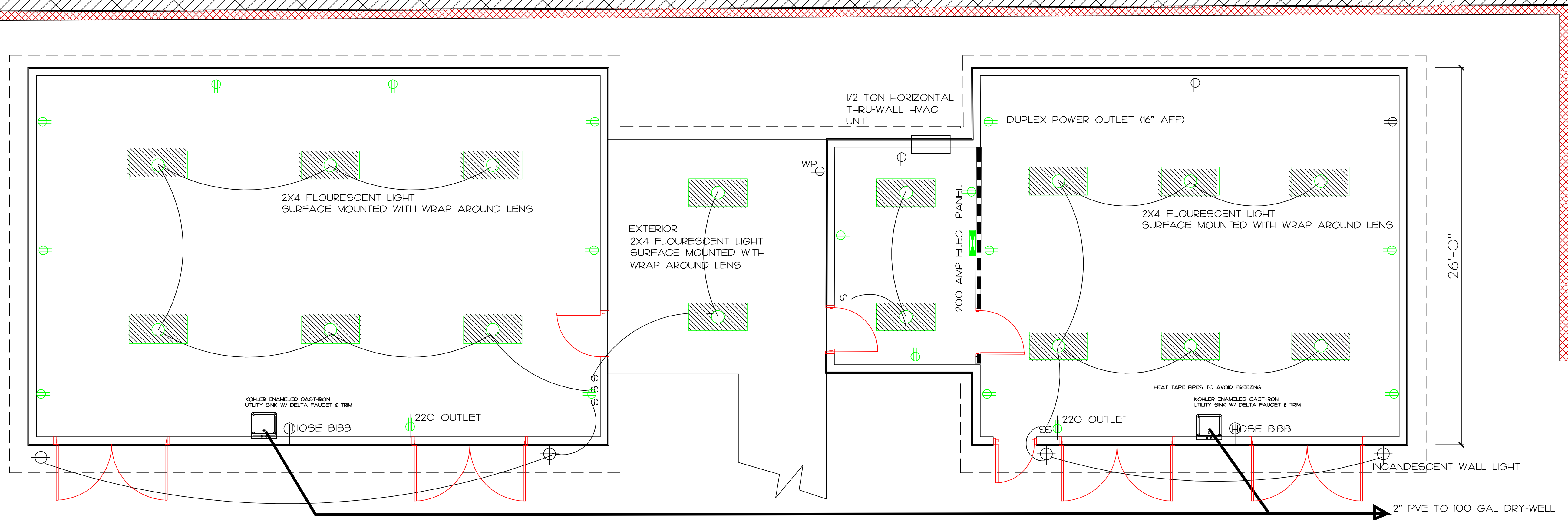
BUILDING
C2

SHEET NO.
C2-3
4

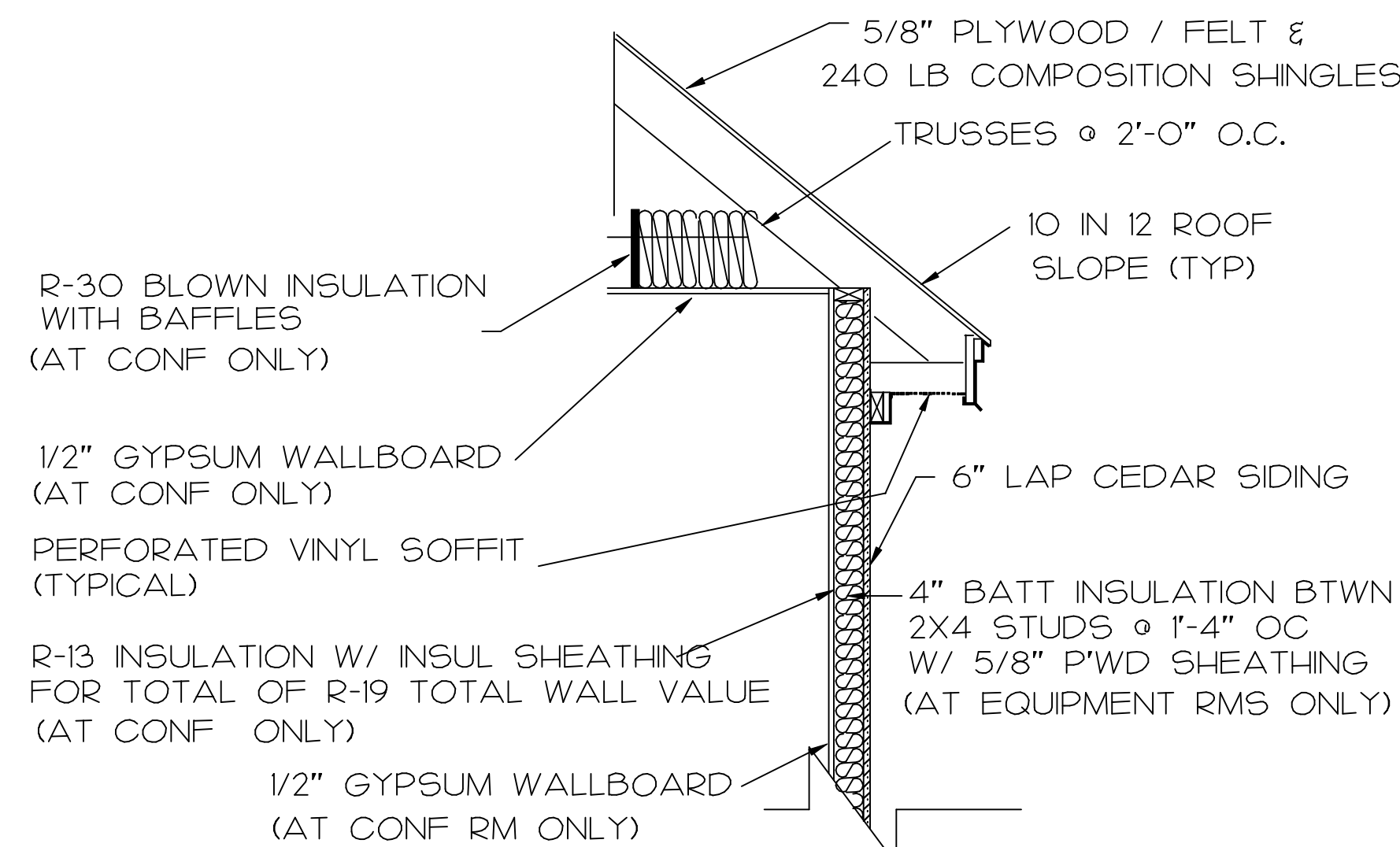
SHEET 12 IN SET

SALUDA RIVERWALK PARK RANGERS AND FIRE DEPARTMENT FACILITY

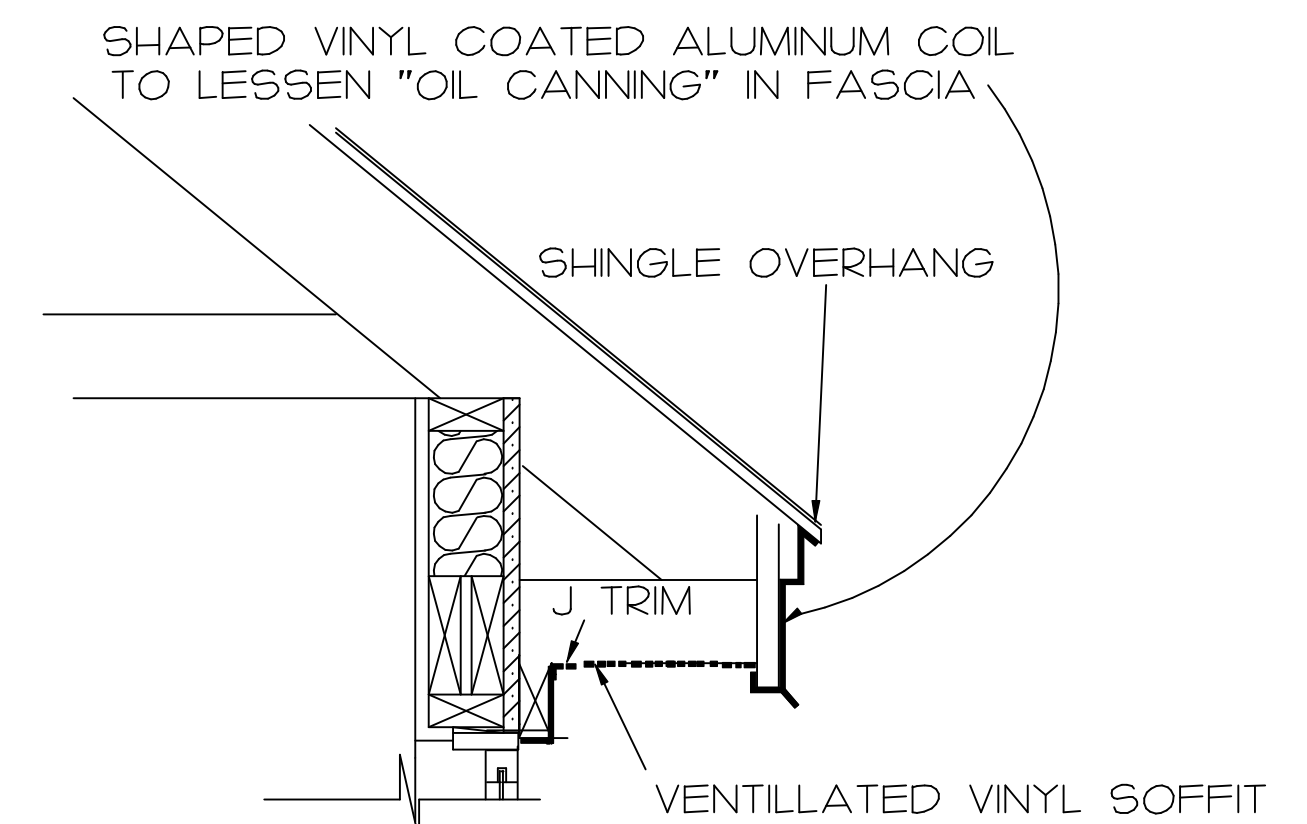
EXISTING BERM BETWEEN ZOO PARKING LOT AND RAIL ROAD



TYPICAL BUILDING WALL SECTION DETAILS



N.T.S.

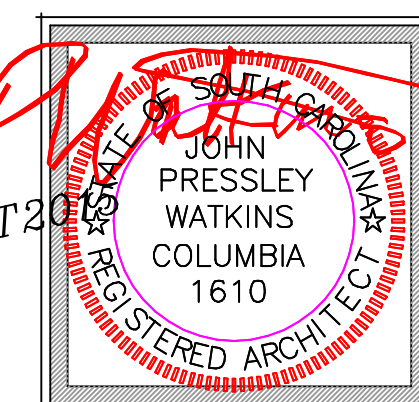
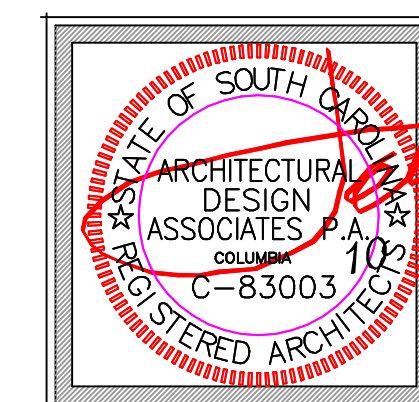


FASCIA TRIM
DETAIL N.T.S.

SALUDA RIVERWALK
PARK RANGER'S & FIRE DEPARTMENT FACILITY
CITY OF COLUMBIA
COLUMBIA, SOUTH CAROLINA

CONSTRUCTION DOCUMENTS

ADA.....PA
56 HILLMARK DRIVE
COLUMBIA, SOUTH CAROLINA 29210
JOHN WATKINS, ARCHITECT
OFFICE 803-779-7570 CELL 803-608-5128 WATKINS@ADAPABIZ
ARCHITECTURAL DESIGN ASSOCIATES, PA



BUILDINGS
C2

SHEET NO.
C2-4
4

SHEET 13 IN SET

SALUDA RIVERWALK PARK RANGER'S AND FIRE DEPARTMENT FACILITY